

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020819\
 Data File : VX007439.D
 Acq On : 08 Feb 2019 13:56
 Operator : JC/SP
 Sample : VX0208WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0208WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 9:37:27 AM

Quant Time: Feb 08 23:33:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	79597	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	417508	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	381334	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	152590	29.20	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.33%
60) 4-Bromofluorobenzene	11.13	95	179109	30.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.43%
63) Toluene-d8	8.71	98	514409	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	61055	17.088	ug/l 99
3) Chloromethane	1.33	50	70922	17.755	ug/l 96
4) Vinyl Chloride	1.41	62	81385	17.955	ug/l 99
5) Bromomethane	1.64	94	86583	18.326	ug/l 100
6) Chloroethane	1.73	64	56168	18.387	ug/l 95
7) Trichlorofluoromethane	1.93	101	137721	17.996	ug/l 99
8) Diethyl Ether	2.19	74	53548	18.511	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	84474	18.689	ug/l 98
10) 1,1-Dichloroethene	2.37	96	73922	17.994	ug/l 97
11) Methyl Iodide	2.51	142	117462	17.623	ug/l 94
12) Methyl Acetate	2.78	43	138410	19.783	ug/l 95
13) Acrolein	2.30	56	36244	71.556	ug/l 97
14) Acrylonitrile	3.15	53	250810	95.752	ug/l 100
15) Acetone	2.45	58	70861	95.176	ug/l 91
16) Carbon Disulfide	2.57	76	163978	16.554	ug/l 99
17) Allyl chloride	2.73	41	129794	18.171	ug/l 99
18) Methylene Chloride	2.86	84	89228	18.845	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	81613	18.346	ug/l 97
20) Diisopropyl ether	3.87	45	251655	18.924	ug/l 91
21) 1,1-Dichloroethane	3.70	63	139405	18.355	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	92275	18.862	ug/l 98
23) tert-Butyl Alcohol	3.07	59	105511	95.851	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	273920	19.036	ug/l 98
25) Chloroform	5.22	83	150451	19.166	ug/l 97
26) Cyclohexane	5.58	56	114631	17.920	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	102939	18.914	ug/l 97
30) 2-Butanone	4.70	43	321713	98.925	ug/l # 98
31) 2,2-Dichloropropane	4.59	77	105261	19.143	ug/l # 79
32) 1,1,1-Trichloroethane	5.50	97	124642	19.378	ug/l 99
33) Carbon Tetrachloride	5.78	117	105210	18.607	ug/l 96
34) Benzene	6.15	78	326705	19.461	ug/l 99
35) Methacrylonitrile	5.06	41	65153	19.627	ug/l 96
36) 1,2-Dichloroethane	6.20	62	113651	19.618	ug/l 100
37) Trichloroethene	7.21	130	96916	19.579	ug/l 98
38) Methylcyclohexane	7.46	83	125105	18.137	ug/l 99
39) 1,2-Dichloropropane	7.52	63	83532	19.840	ug/l 100
40) Dibromomethane	7.66	93	58963	19.442	ug/l 99

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Manual Integrations
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MMDadoda
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Quant Time: Feb 08 23:33:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	100642	18.909	ug/l	96
42) Vinyl Acetate	3.82	43	1032920	93.678	ug/l	99
43) Ethyl Acetate	4.85	43	113976	18.783	ug/l	100
44) Isopropyl Acetate	6.46	43	184065	19.421	ug/l	99
45) 1,4-Dioxane	7.75	88	44964	391.508	ug/l	98
46) Methyl methacrylate	7.77	41	91268	18.834	ug/l	98
47) n-amyl Acetate	10.90	43	159231	19.108	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	106171	18.289	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	120663	18.711	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	91352	20.070	ug/l	95
51) Ethyl methacrylate	9.18	69	128030	19.685	ug/l	93
52) 1,3-Dichloropropane	9.37	76	143959	19.752	ug/l	98
53) Dibromochloromethane	9.58	129	88054	19.140	ug/l	100
54) 1,2-Dibromoethane	9.67	107	96421	19.677	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	351570	98.261	ug/l	99
56) Bromoform	10.85	173	63613	18.210	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	634129	99.446	ug/l	99
59) 2-Hexanone	9.49	43	486905	98.674	ug/l	99
61) Tetrachloroethene	9.34	164	100826	18.969	ug/l	98
62) Toluene	8.79	91	374231	19.497	ug/l	100
64) Chlorobenzene	10.14	112	246274	19.449	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	86223	19.224	ug/l	97
66) Ethyl Benzene	10.25	91	399932	19.231	ug/l	98
67) m/p-Xylenes	10.36	106	315603	38.428	ug/l	98
68) o-Xylene	10.69	106	156333	19.432	ug/l	96
69) Styrene	10.71	104	247785	19.091	ug/l	98
70) Isopropylbenzene	11.02	105	416716	19.565	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	136265	19.982	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	127568m	19.897	ug/l	
73) Bromobenzene	11.26	156	116405	19.746	ug/l	99
74) n-propylbenzene	11.36	91	459984	19.190	ug/l	99
75) 2-Chlorotoluene	11.42	91	271608	19.107	ug/l	97
76) 1,3,5-Trimethylbenzene	11.51	105	335404	18.868	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	32339	17.361	ug/l	97
78) 4-Chlorotoluene	11.51	91	308642	18.648	ug/l	97
79) tert-butylbenzene	12.06	119	362287	18.836	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	343952	19.109	ug/l	99
81) sec-Butylbenzene	11.94	105	411146	19.181	ug/l	99
82) p-Isopropyltoluene	12.06	119	362287	18.836	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	200856	19.167	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	197993	18.884	ug/l	99
85) n-Butylbenzene	12.38	91	295862	17.924	ug/l	99
86) Hexachloroethane	12.60	117	54435	18.305	ug/l	95
87) 1,2-Dichlorobenzene	12.39	146	199887	19.156	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	26218	18.863	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	133640	18.656	ug/l	97
90) Hexachlorobutadiene	13.78	225	65098	19.054	ug/l	100
91) Naphthalene	13.83	128	411446	18.975	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	133846	18.844	ug/l	100

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MSVOA_X
ClientSampleId :
VX0208WBSD01

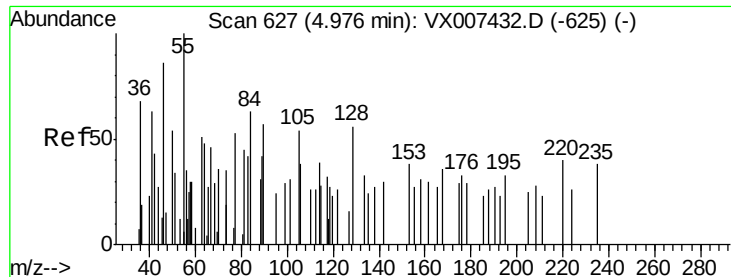
Manual Integrations
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2/11/2019 9:37:27 AM

Quant Time: Feb 08 23:33:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
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QLast Update : Mon Jan 28 10:35:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

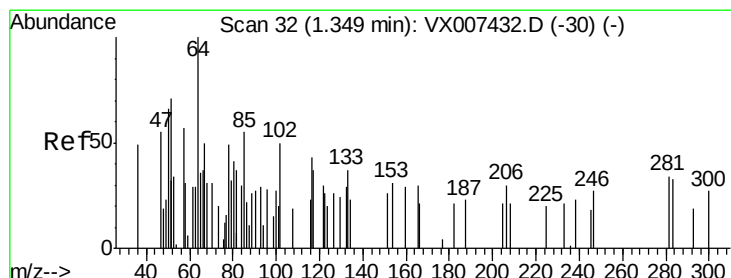
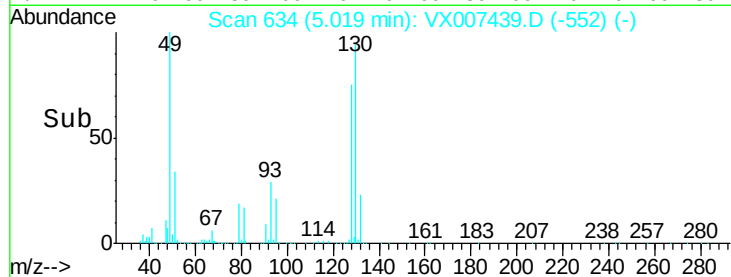
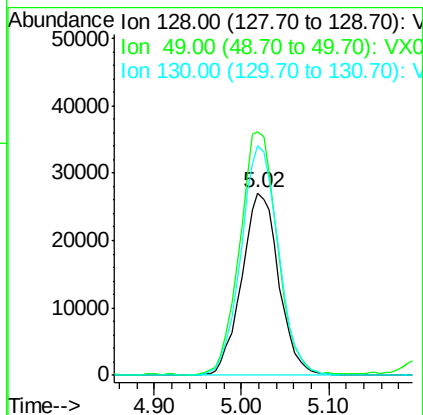
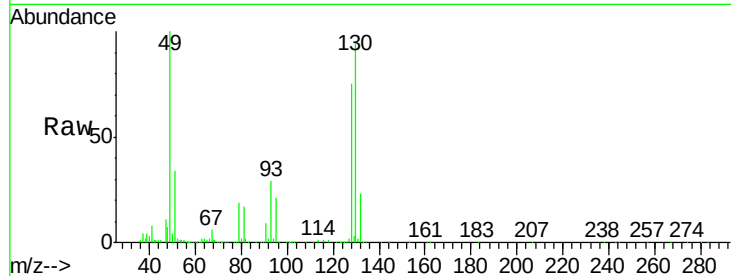
ClientSampleId :

VX0208WBSD01

Tot Ion:	128	Resp:	79597
Ion	Ratio	Lower	Upper
128	100		
49	135.9	0.0	345.5
130	127.4	0.0	320.0

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#2

Dichlorodifluoromethane

Concen: 17.088 ug/l

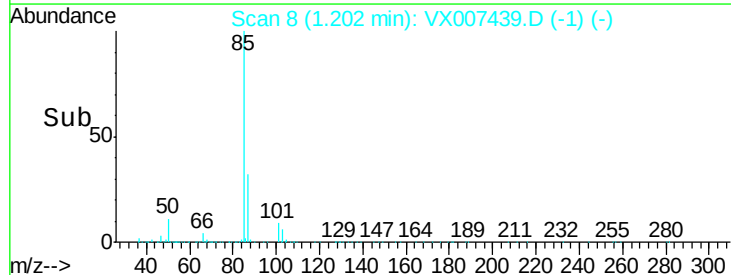
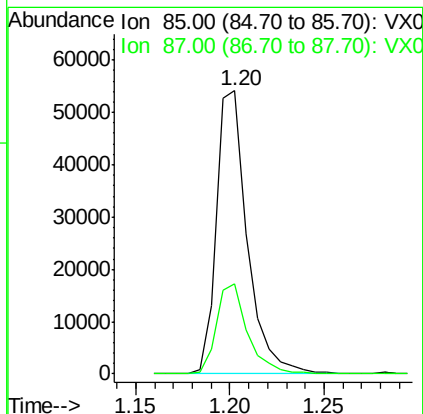
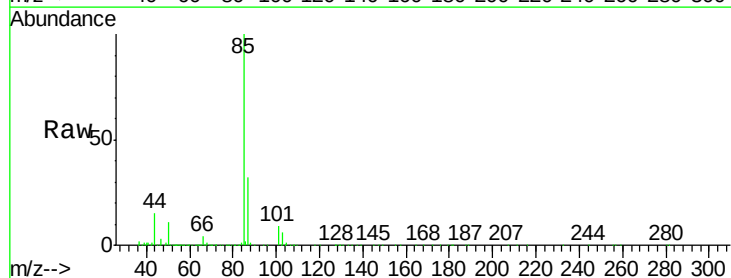
RT: 1.20 min Scan# 8

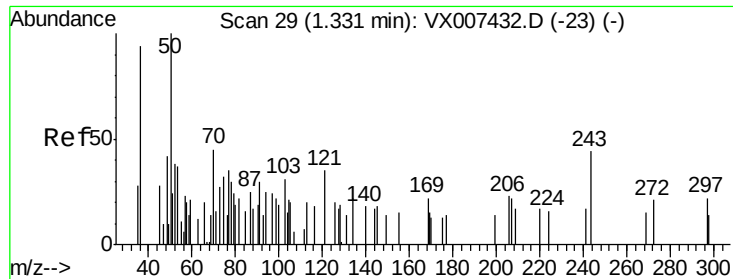
Delta R.T. 0.01 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tgt Ion:	85	Resp:	61055
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.4	49.1





#3

Chloromethane

Concen: 17.755 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tot Ion: 50 Resp: 70922

Ion Ratio Lower Upper

50 100

52 34.3 25.7 38.5

Instrument :

MSVOA_X

ClientSampleId :

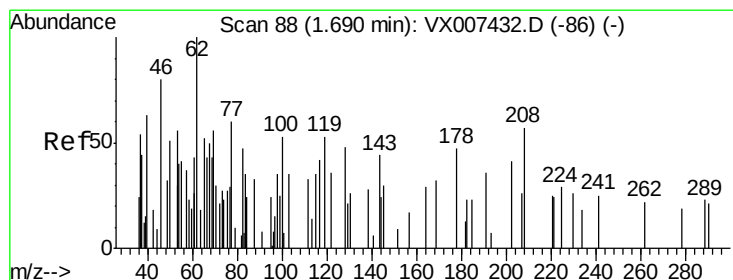
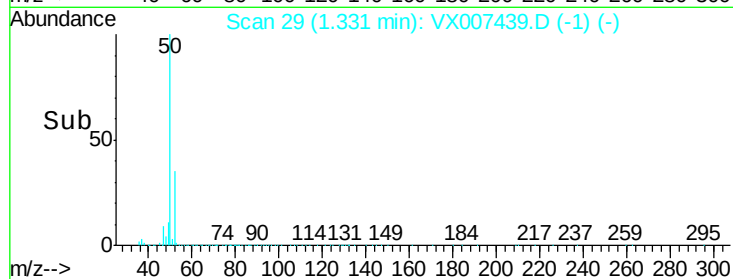
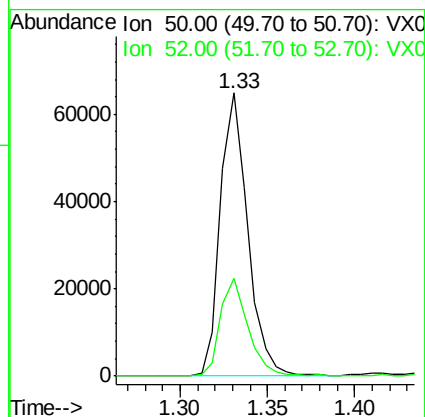
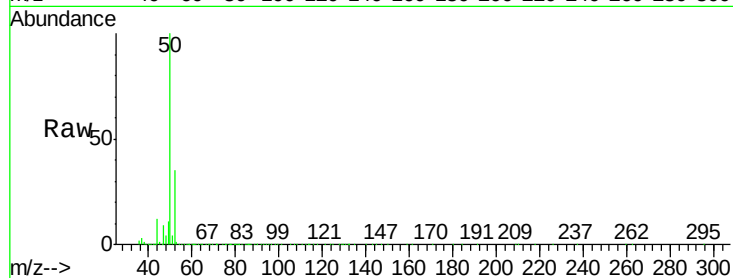
VX0208WBSD01

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#4

Vinyl Chloride

Concen: 17.955 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007439.D

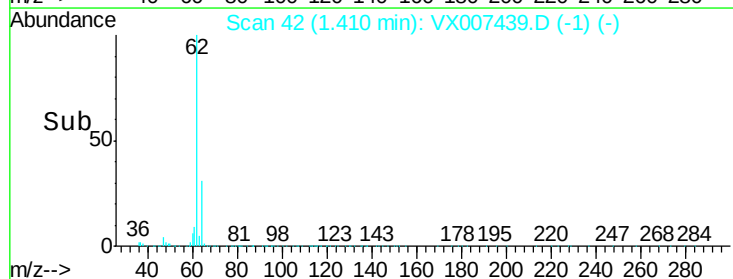
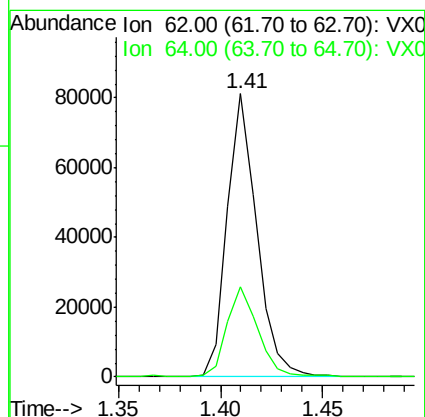
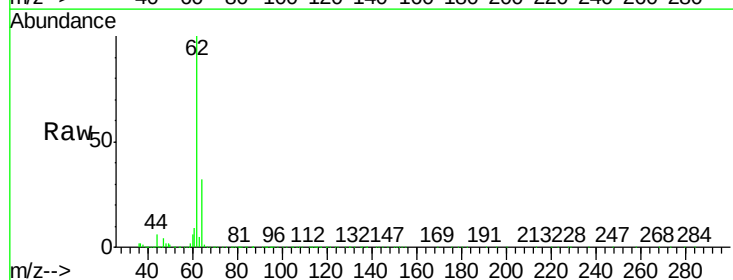
Acq: 08 Feb 2019 13:56

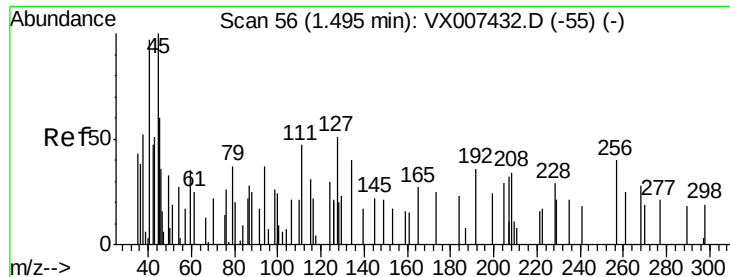
Tgt Ion: 62 Resp: 81385

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 18.326 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tot Ion: 94 Resp: 86583

Ion Ratio Lower Upper

94 100

96 96.4 77.4 116.2

Instrument :

MSVOA_X

ClientSampleId :

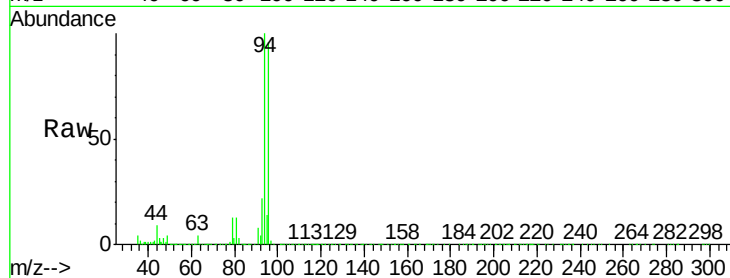
VX0208WBSD01

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

100000

80000

60000

40000

20000

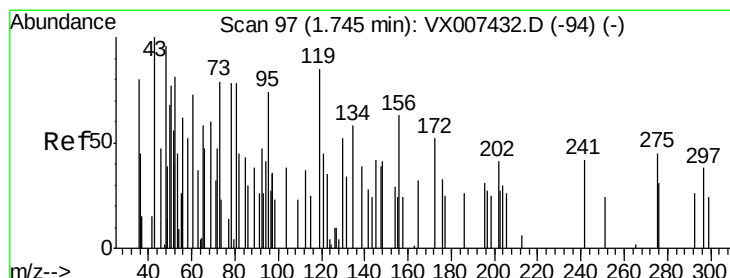
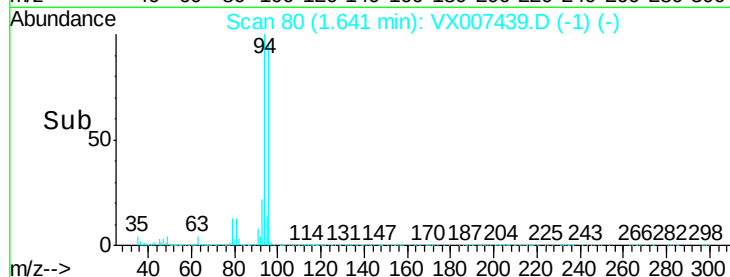
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 18.387 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007439.D

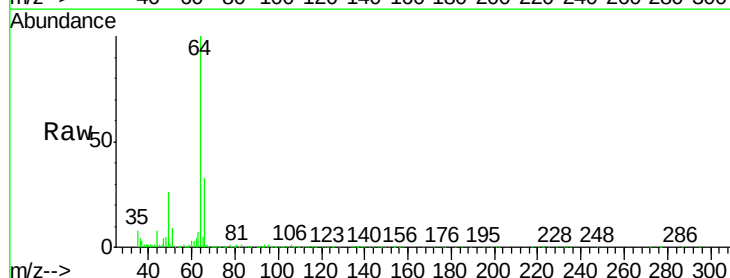
Acq: 08 Feb 2019 13:56

Tgt Ion: 64 Resp: 56168

Ion Ratio Lower Upper

64 100

66 32.8 24.2 36.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

50000

40000

30000

20000

10000

0

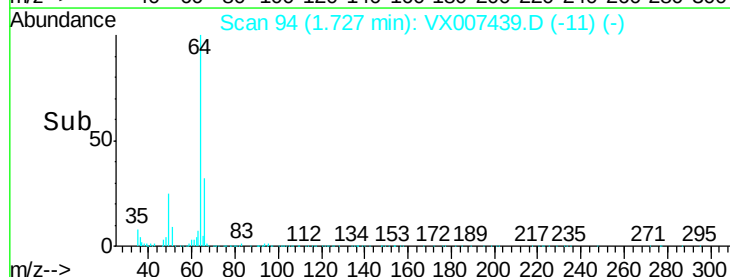
1.65

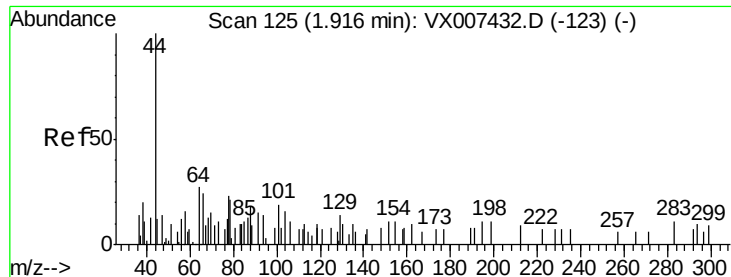
1.70

1.75

1.80

Time-->





#7

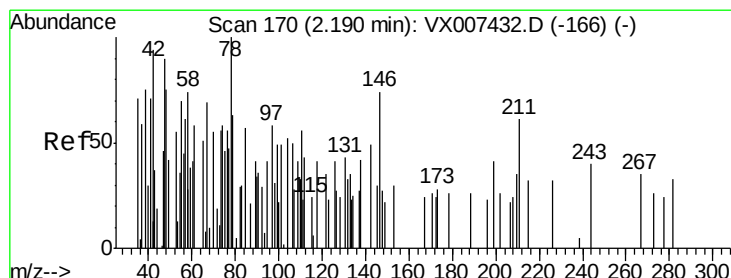
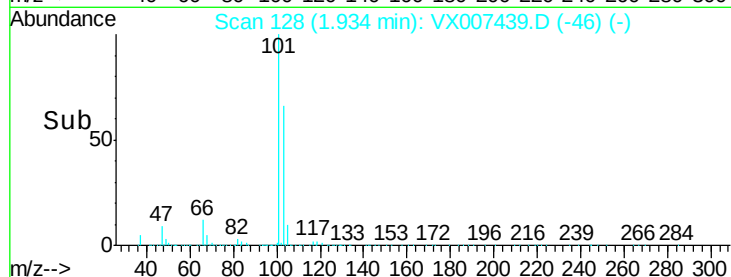
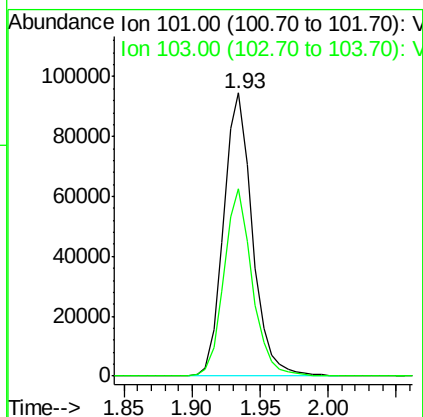
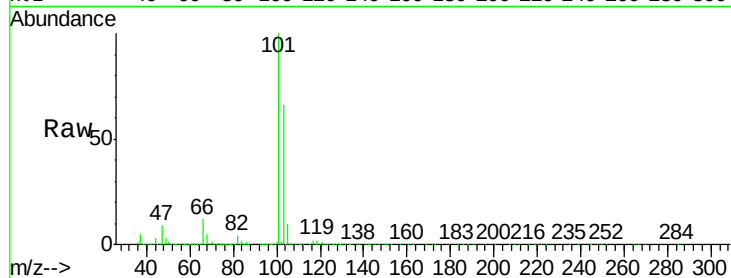
Trichlorofluoromethane
Concen: 17.996 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

Tot Ion: 101 Resp: 137721
Ion Ratio Lower Upper
101 100
103 66.1 52.6 78.8

Manual Integrations
APPROVED

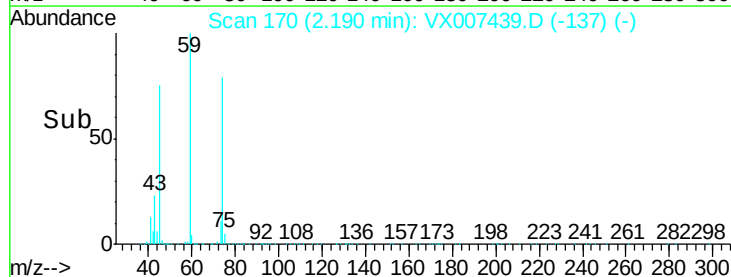
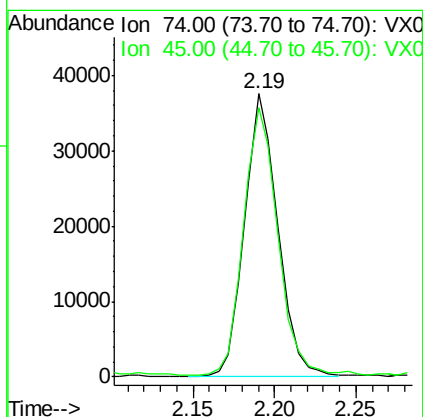
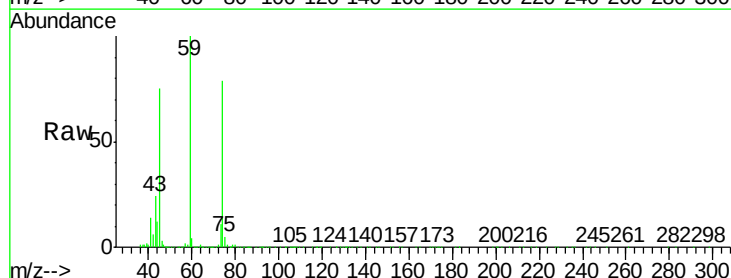
MMDadoda
2/11/2019 9:37:27 AM

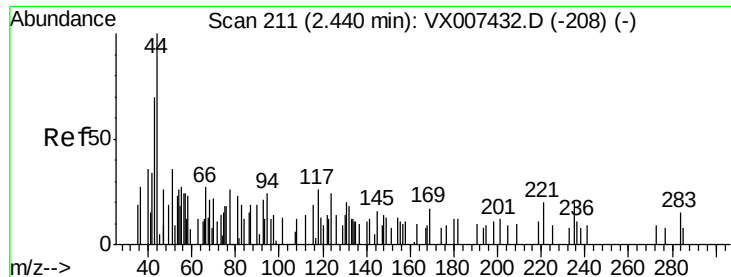


#8

Diethyl Ether
Concen: 18.511 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tgt Ion: 74 Resp: 53548
Ion Ratio Lower Upper
74 100
45 96.8 18.6 167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.689 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

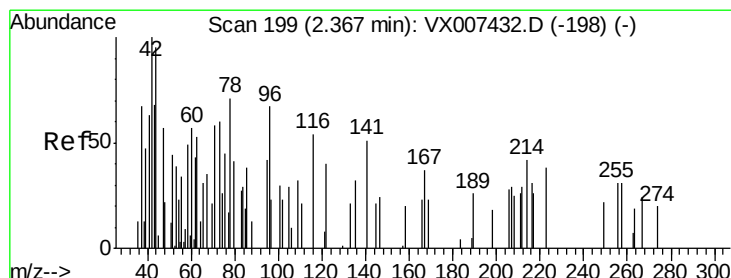
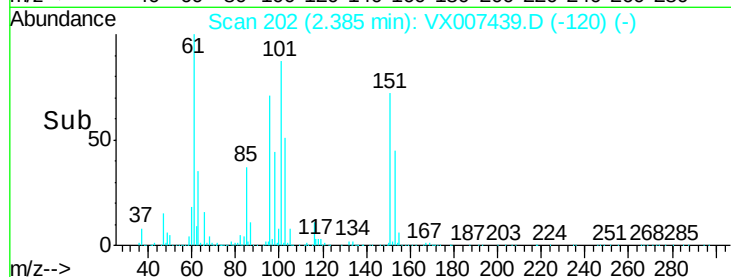
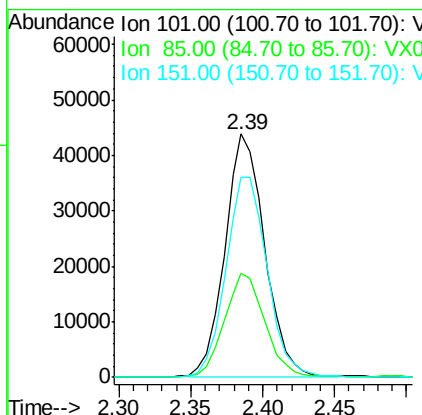
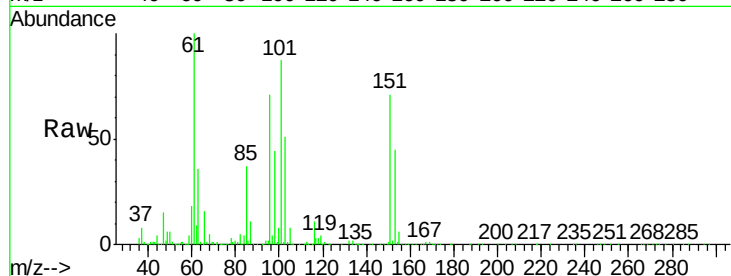
ClientSampleId :

VX0208WBSD01

Tot Ion:	101	Resp:	84474
Ion Ratio	Lower	Upper	
101	100		
85	43.4	0.0	87.4
151	85.6	0.0	176.4

Manual Integrations
APPROVED

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2/11/2019 9:37:27 AM



#10

1,1-Dichloroethene

Concen: 17.994 ug/l

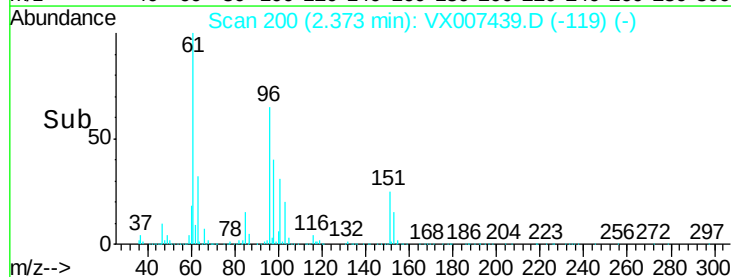
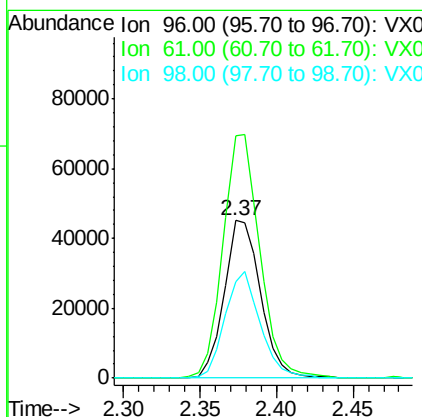
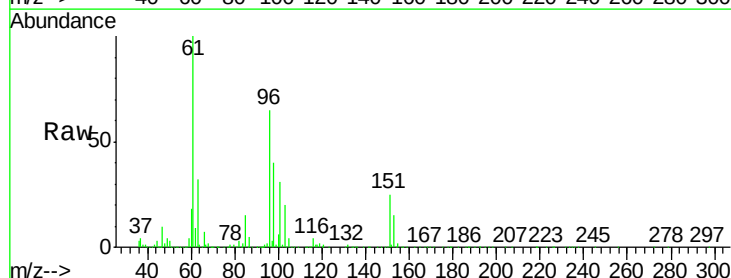
RT: 2.37 min Scan# 200

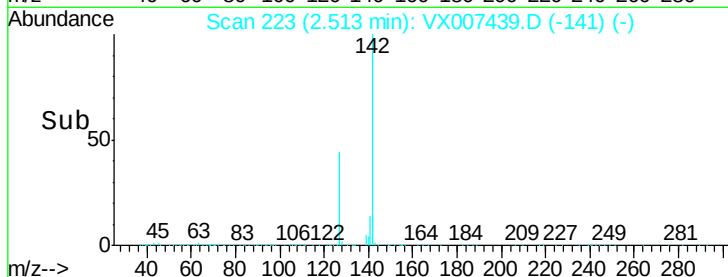
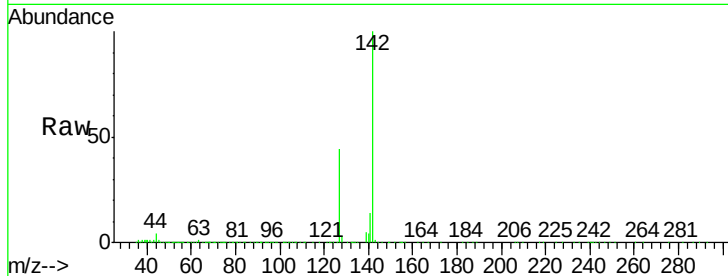
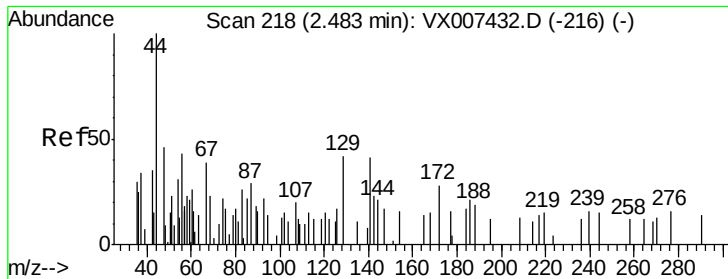
Delta R.T. -0.01 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tgt Ion:	96	Resp:	73922
Ion Ratio	Lower	Upper	
96	100		
61	153.9	119.6	179.4
98	61.3	50.9	76.3





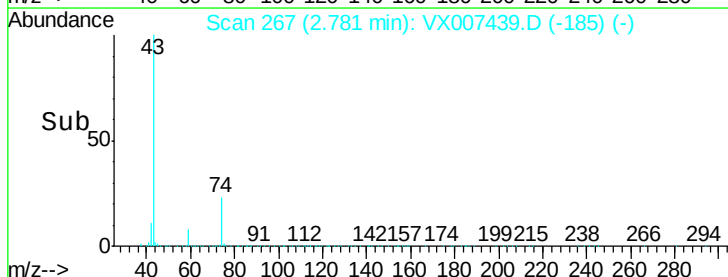
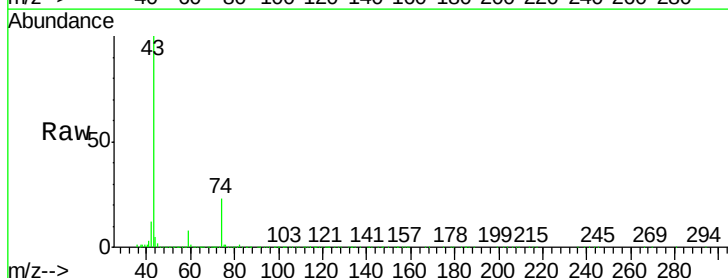
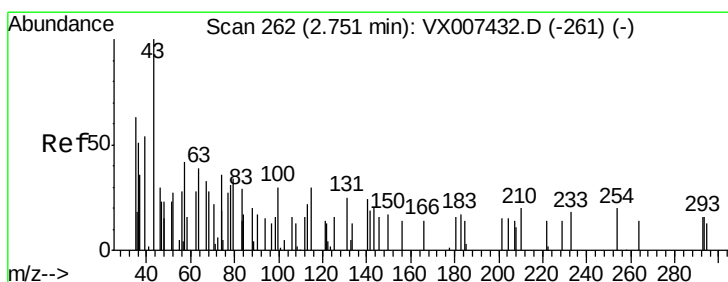
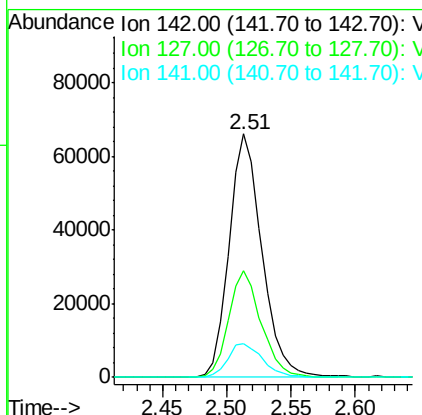
#11
Methyl Iodide
Concen: 17.623 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tot Ion	Ratio	Resp	Lower	Upper
142	100	117462		
127	43.9	20.0	59.9	
141	14.0	6.3	19.1	

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

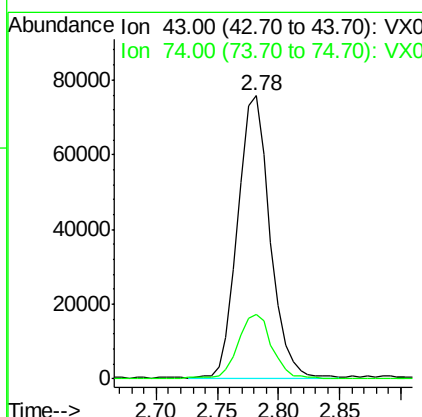
Manual Integrations
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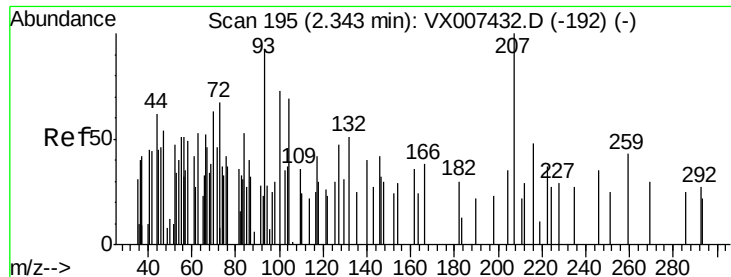
MMDadoda
2/11/2019 9:37:27 AM



#12
Methyl Acetate
Concen: 19.783 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	138410		
74	22.5	19.8	29.8	





#13

Acrolein

Concen: 71.556 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion: 56 Resp: 36244

Ion Ratio Lower Upper

56 100

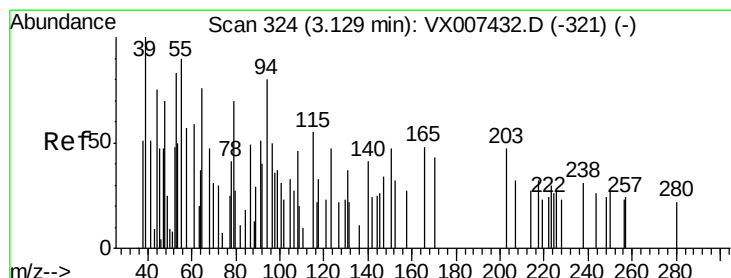
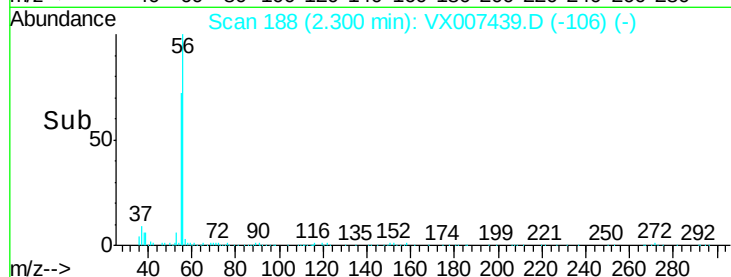
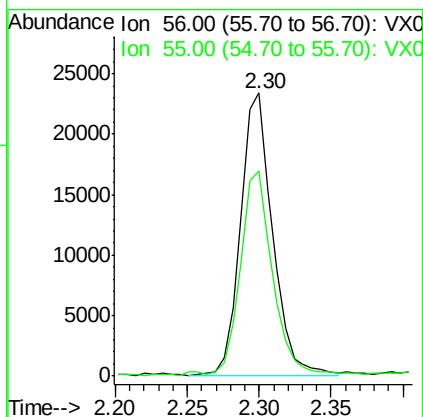
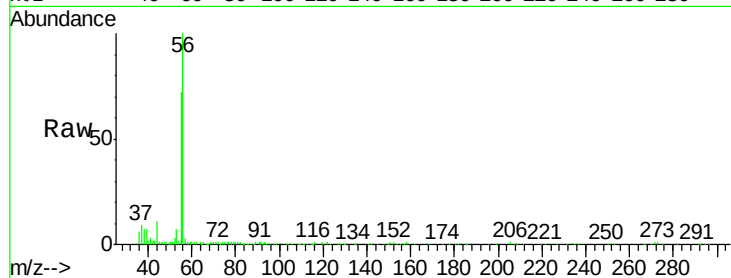
55 70.5 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 95.752 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

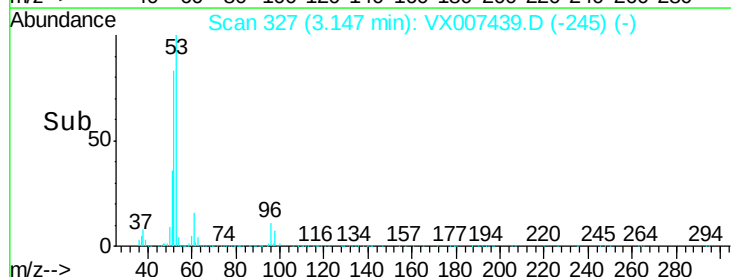
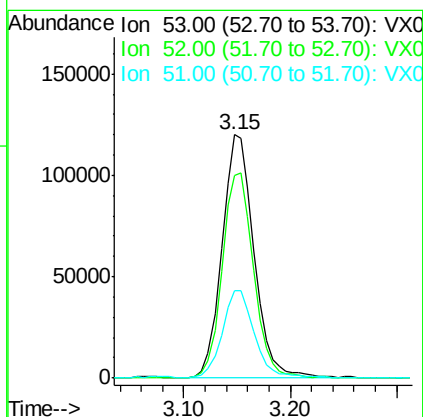
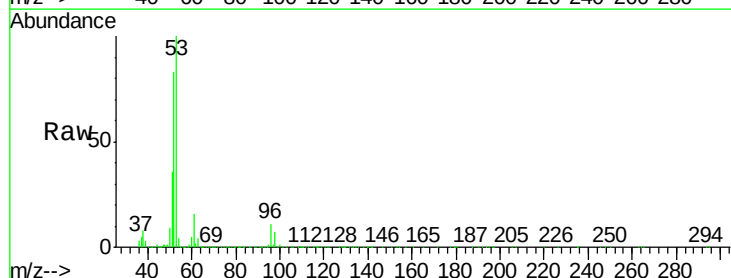
Tgt Ion: 53 Resp: 250810

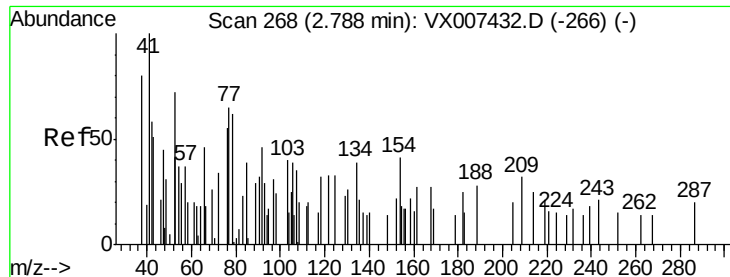
Ion Ratio Lower Upper

53 100

52 82.6 41.3 124.1

51 36.3 17.9 53.8





#15

Acetone

Concen: 95.176 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion: 58 Resp: 70861

Ion Ratio Lower Upper

58 100

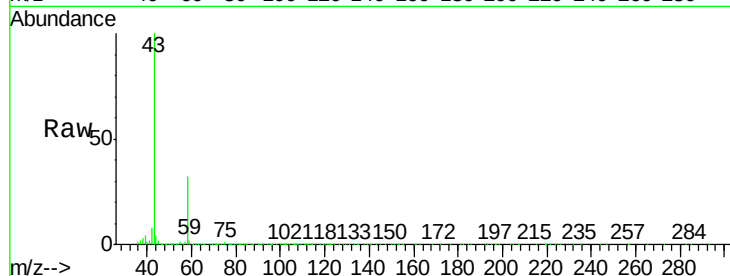
43 312.9 265.9 398.9

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

150000

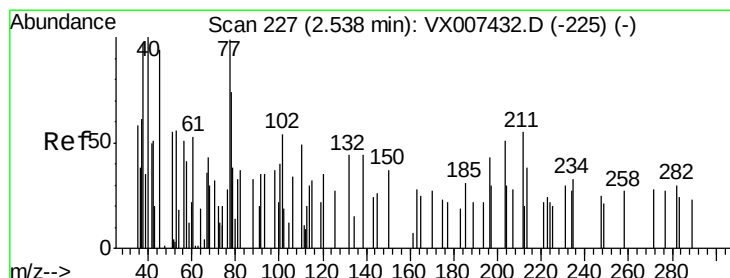
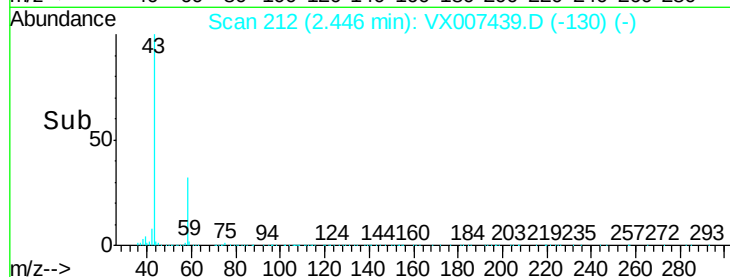
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#16

Carbon Disulfide

Concen: 16.554 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007439.D

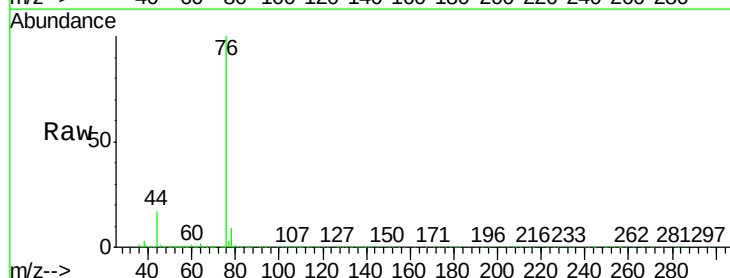
Acq: 08 Feb 2019 13:56

Tgt Ion: 76 Resp: 163978

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

100000

80000

60000

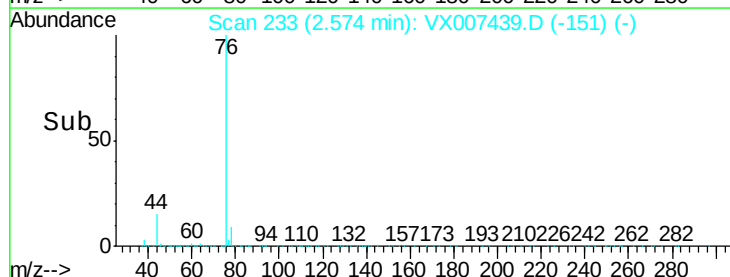
40000

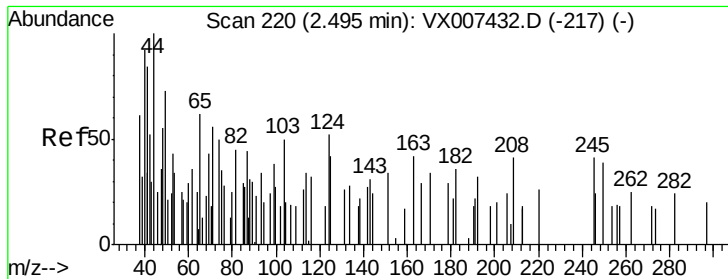
20000

0

2.50 2.55 2.60 2.65

Time-->





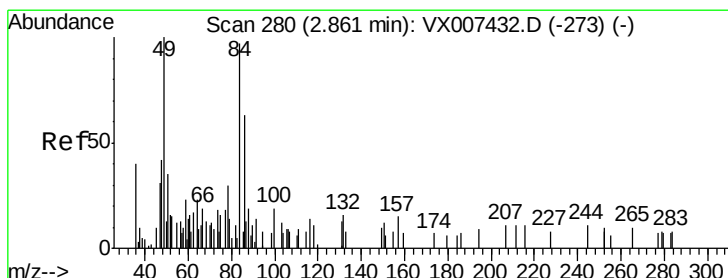
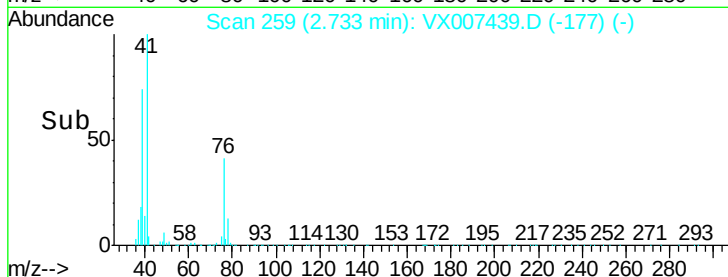
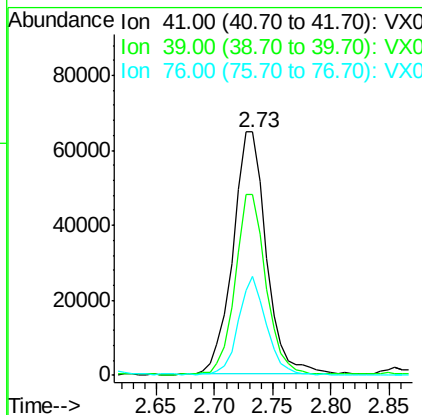
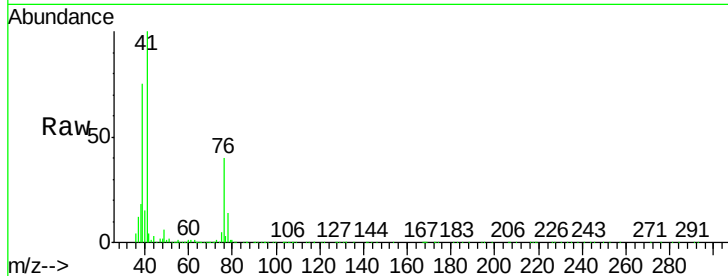
#17
Allvl chloride
Concen: 18.171 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.2	37.0	111.0
76	40.5	19.3	57.8

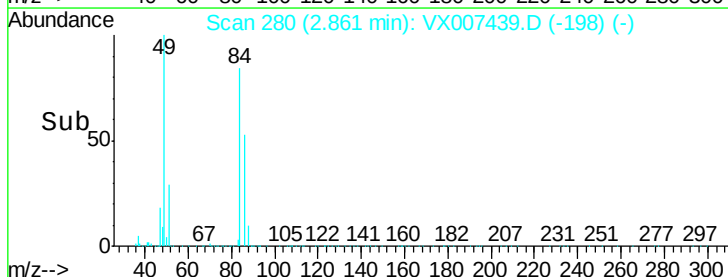
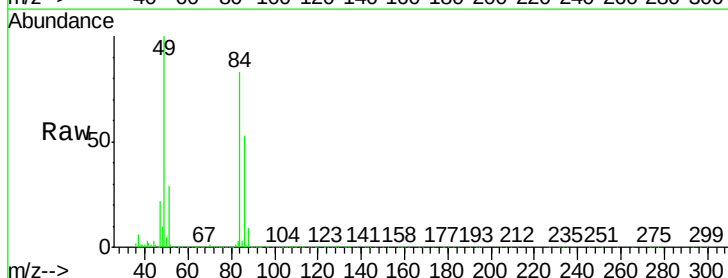
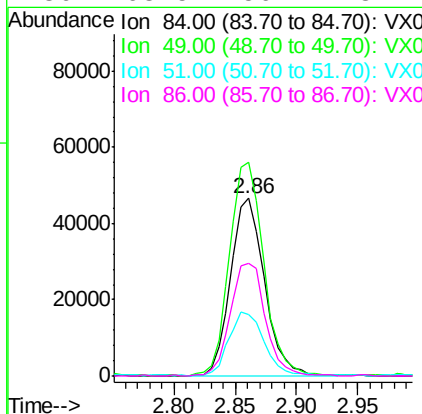
Manual Integrations
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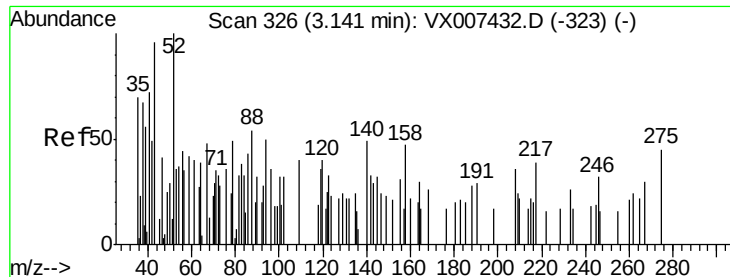
MMDadoda
2/11/2019 9:37:27 AM



#18
Methylene Chloride
Concen: 18.845 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.5	98.4	147.6
51	34.6	28.9	43.3
86	63.5	56.1	84.1





#19

trans-1,2-Dichloroethene

Concen: 18.346 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion: 96 Resp: 81613

Ion Ratio Lower Upper

96 100

61 133.5 107.8 161.6

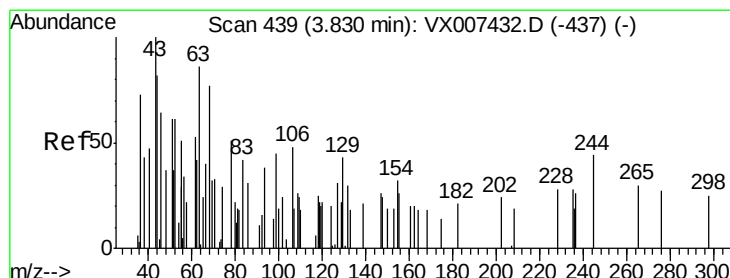
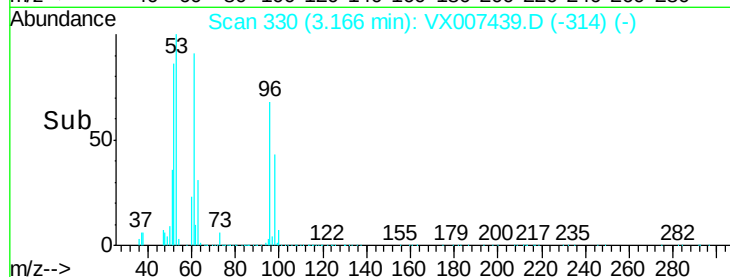
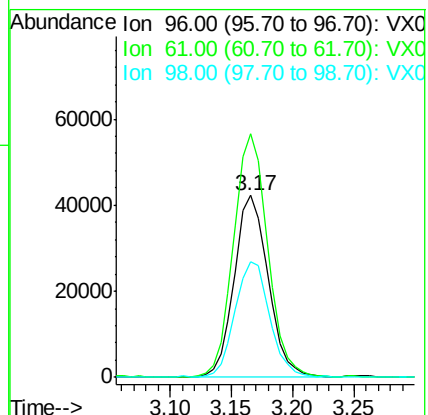
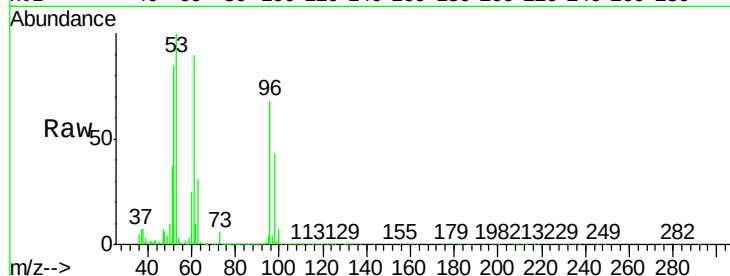
98 63.9 54.9 82.3

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#20

Diisopropyl ether

Concen: 18.924 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tgt Ion: 45 Resp: 251655

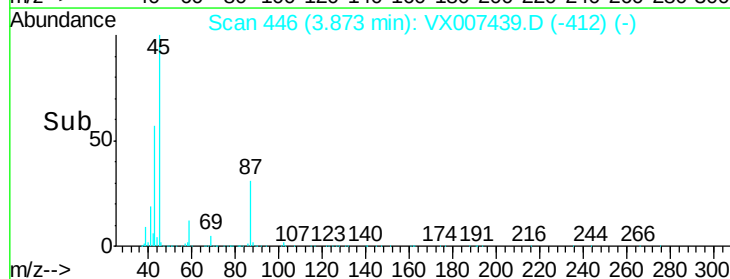
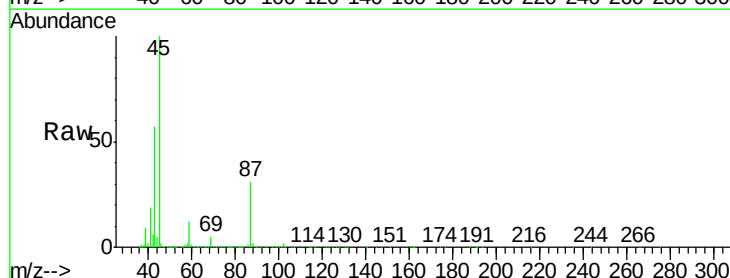
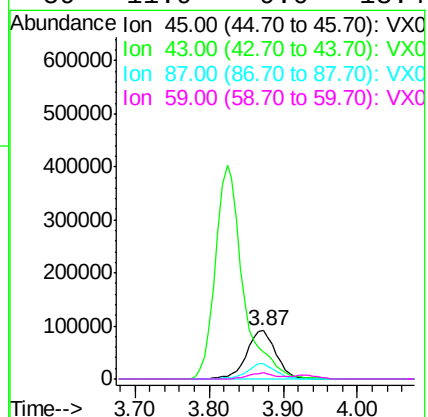
Ion Ratio Lower Upper

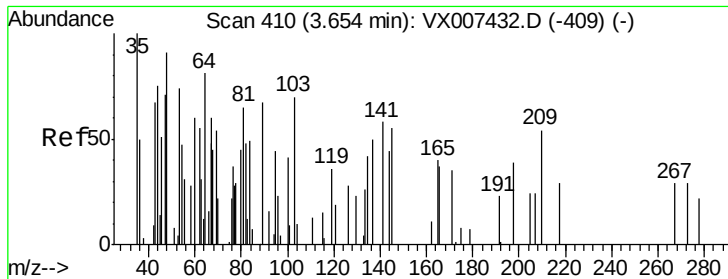
45 100

43 56.2 53.1 79.7

87 30.6 23.7 35.5

59 11.9 9.0 13.4





#21

1,1-Dichloroethane

Concen: 18.355 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007439.D

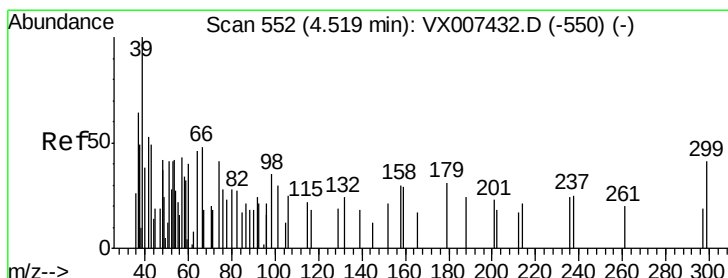
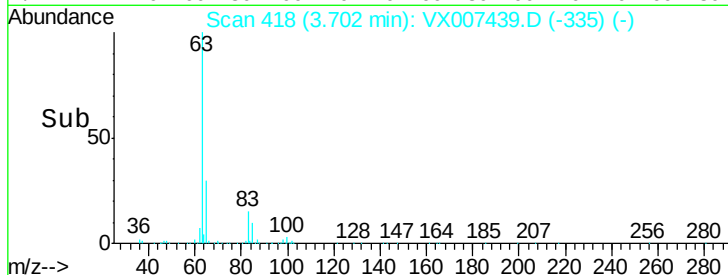
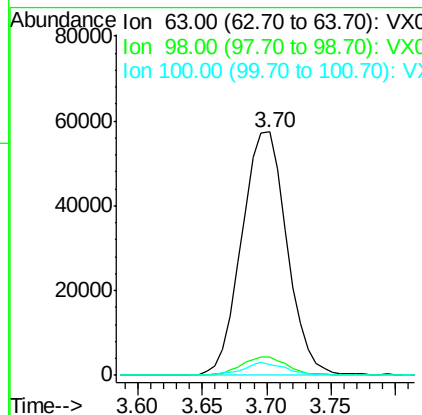
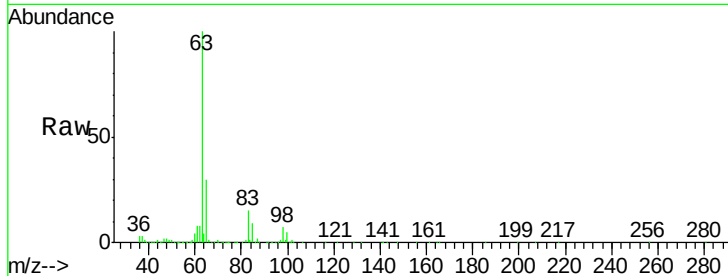
Acq: 08 Feb 2019 13:56

Tot Ion	63	Resp	139405
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.3	9.9
100	4.5	2.1	6.2

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

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#22

cis-1,2-Dichloroethene

Concen: 18.862 ug/l

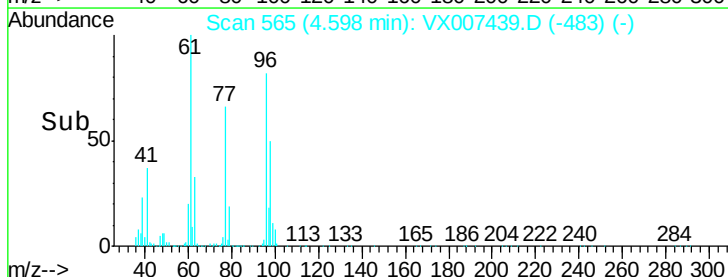
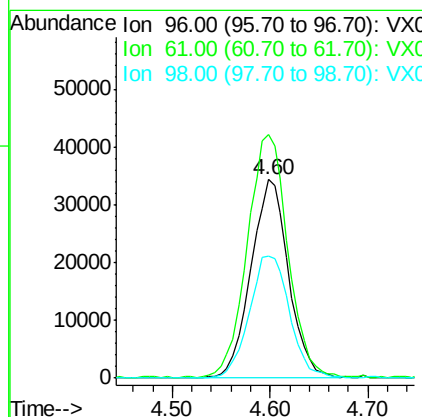
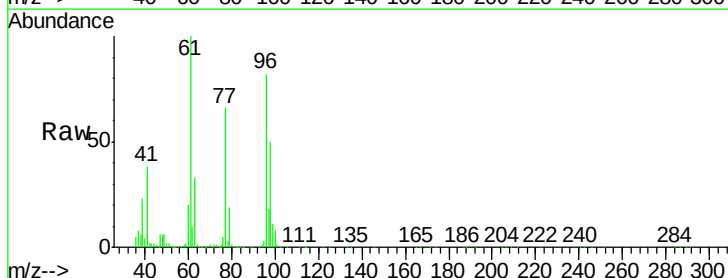
RT: 4.60 min Scan# 565

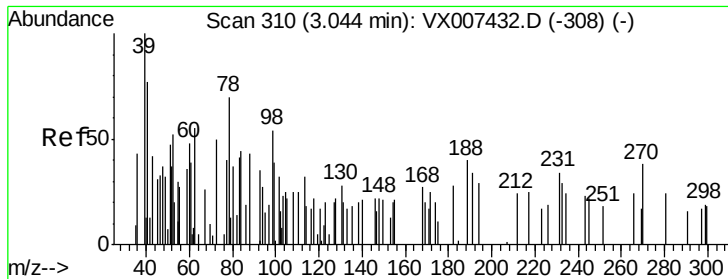
Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tgt Ion	96	Resp	92275
Ion	Ratio	Lower	Upper
96	100		
61	131.5	108.1	162.1
98	66.0	51.9	77.9





#23

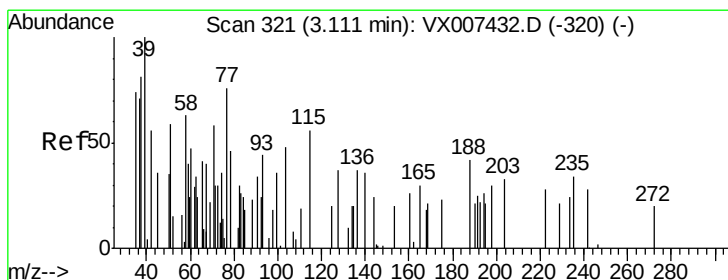
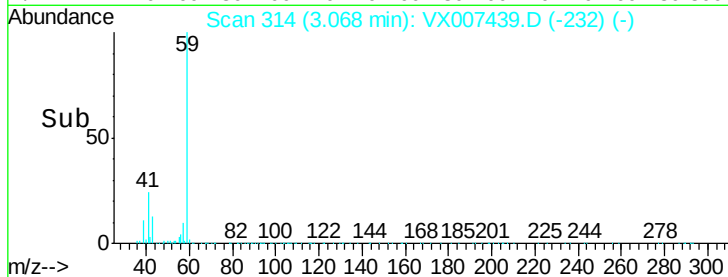
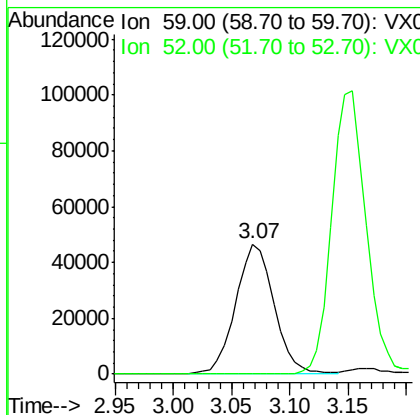
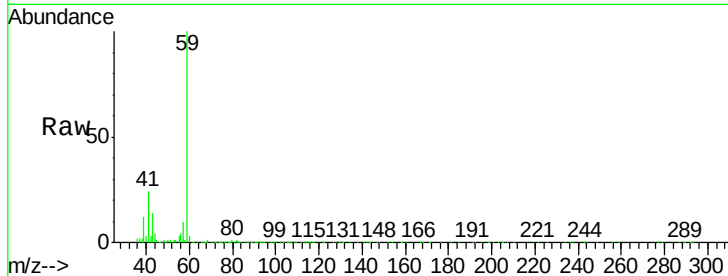
tert-Butyl Alcohol
 Concen: 95.851 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBSD01

Tot Ion: 59 Resp: 105511
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.2 0.2#

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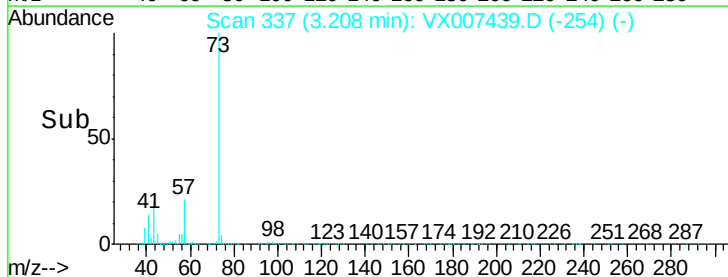
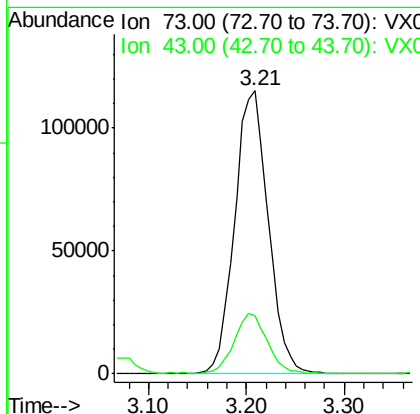
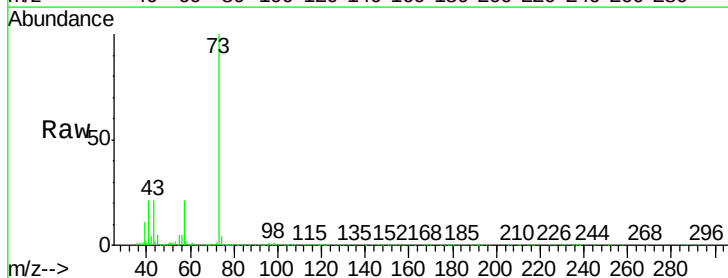
MMDadoda
 2/11/2019 9:37:27 AM

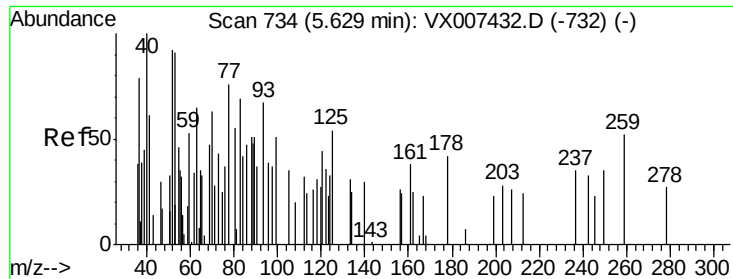


#24

Methyl tert-Butyl Ether
 Concen: 19.036 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Tgt Ion: 73 Resp: 273920
 Ion Ratio Lower Upper
 73 100
 43 21.0 16.2 24.4





#25

Chloroform

Concen: 19.166 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tot Ion: 83 Resp: 150451

Ion Ratio Lower Upper

83 100

85 62.4 51.9 77.9

Instrument :

MSVOA_X

ClientSampleId :

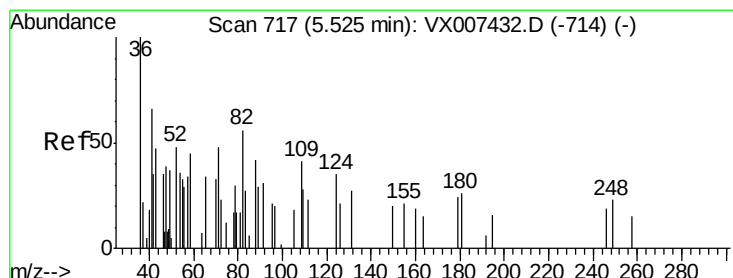
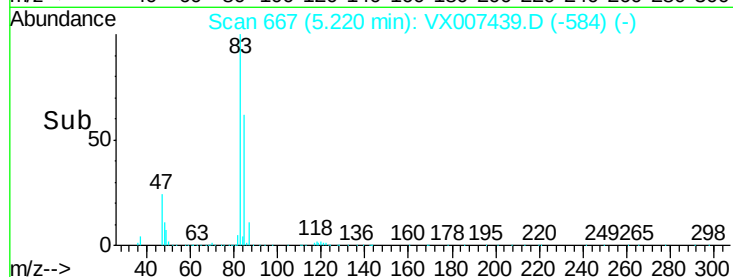
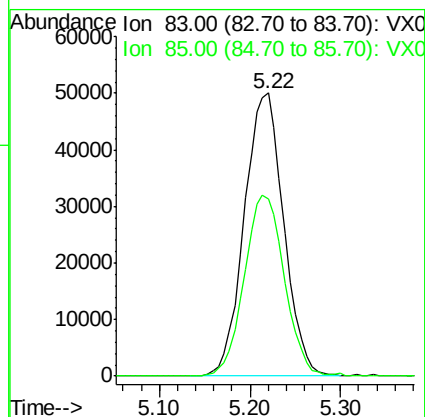
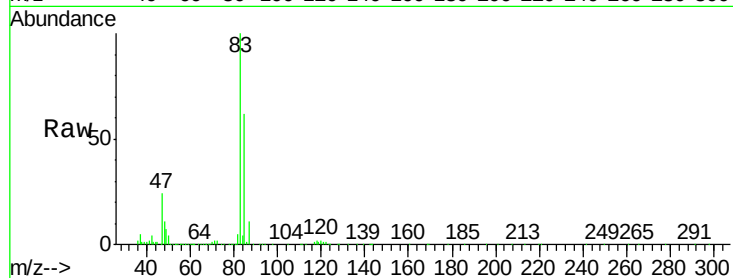
VX0208WBSD01

Manual Integrations

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#26

Cyclohexane

Concen: 17.920 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

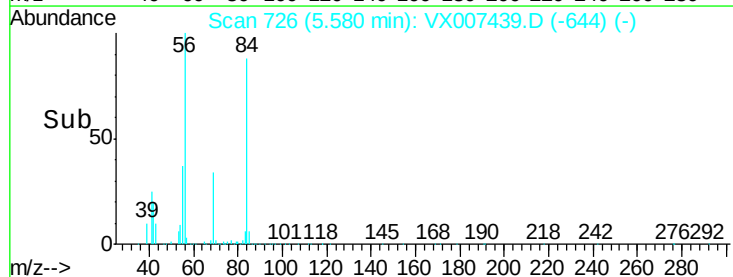
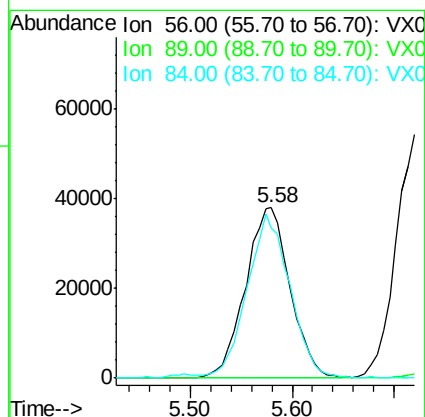
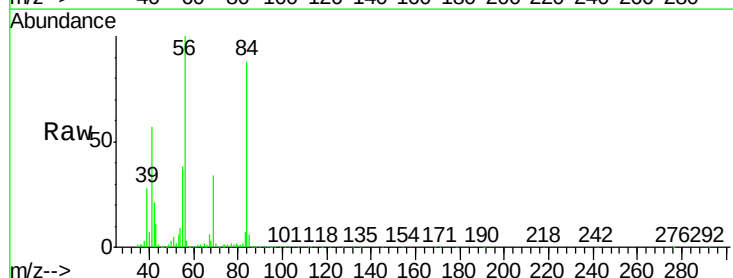
Tgt Ion: 56 Resp: 114631

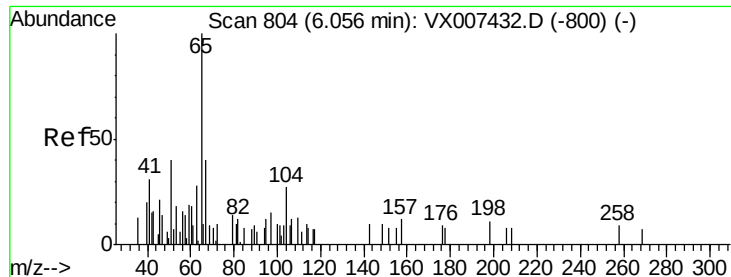
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1#

84 92.8 74.2 111.2





#27

1,2-Dichloroethane-d4

Concen: 29.204 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tot Ion: 65 Resp: 152590

Ion Ratio Lower Upper

65 100

67 53.5 42.0 63.0

Instrument :

MSVOA_X

ClientSampleId :

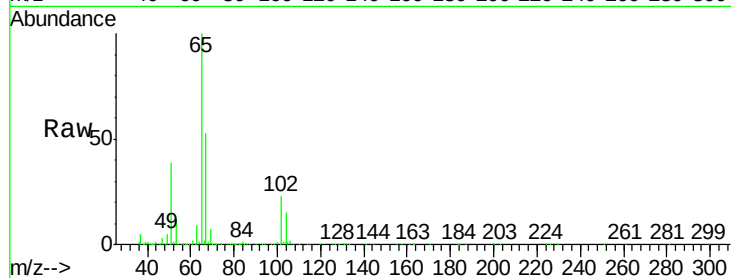
VX0208WBSD01

Manual Integrations

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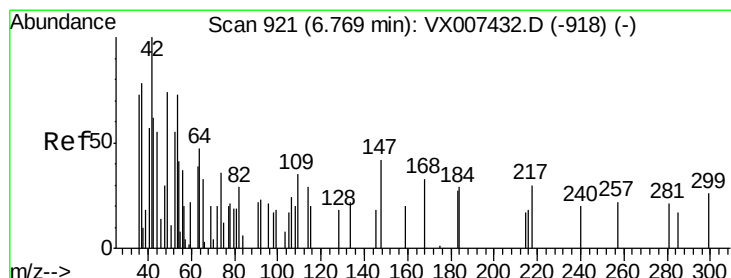
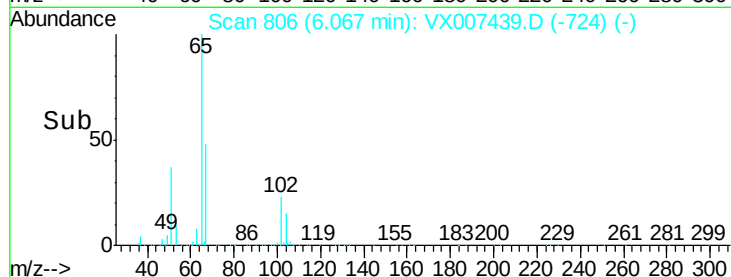
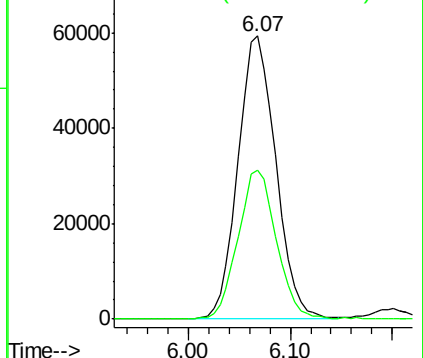
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

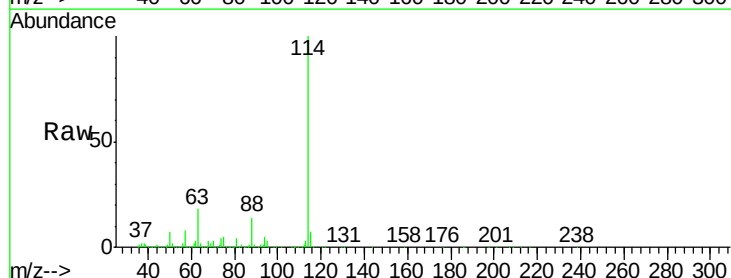
Tgt Ion: 114 Resp: 417508

Ion Ratio Lower Upper

114 100

63 18.7 14.6 21.8

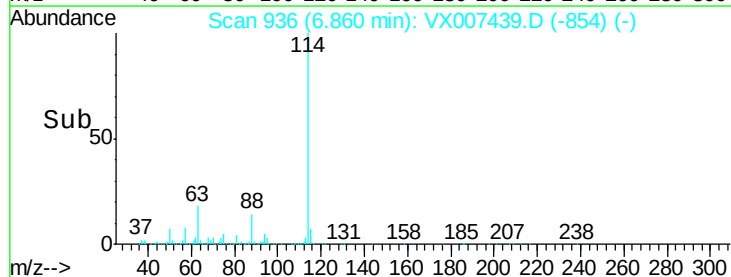
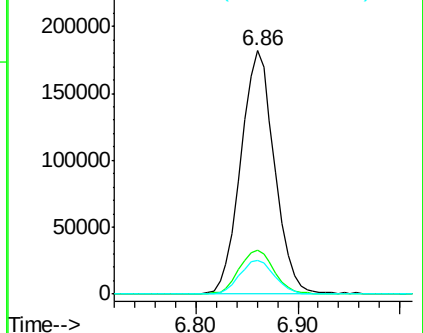
88 14.5 11.8 17.6

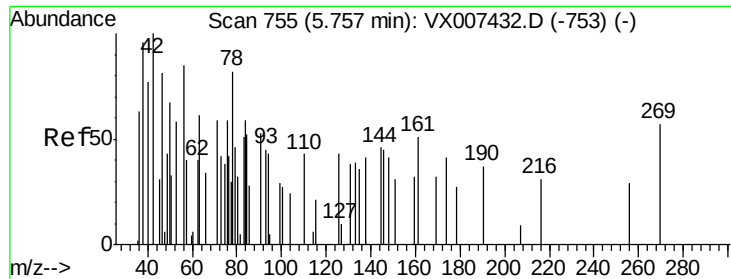


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





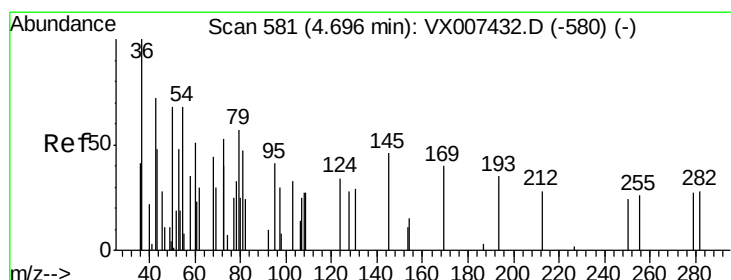
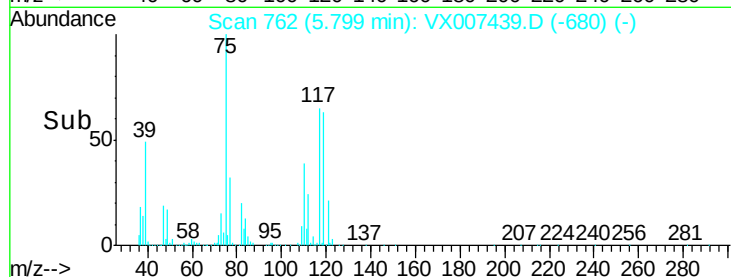
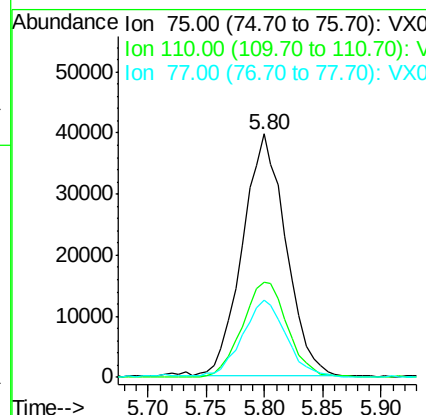
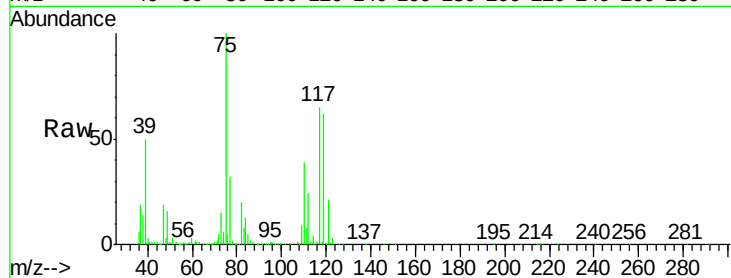
#29
 1,1-Dichloropropene
 Concen: 18.914 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	41.3	0.0	78.8
77	32.0	0.0	61.8

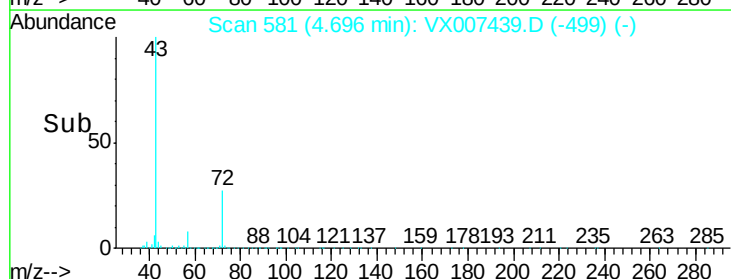
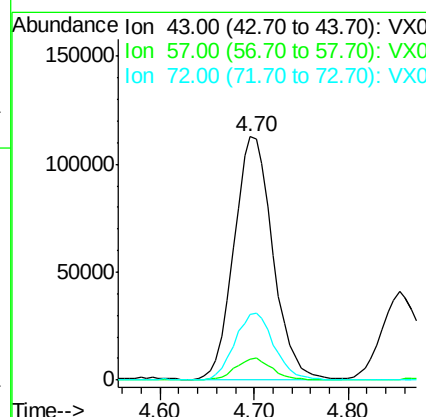
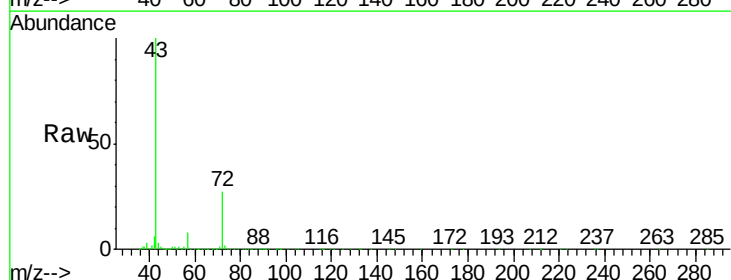
Manual Integrations
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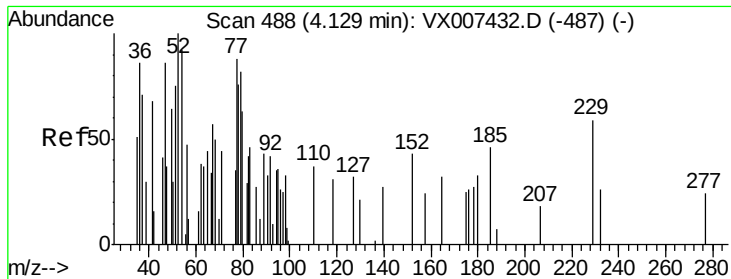
MMDadoda
 2/11/2019 9:37:27 AM



#30
 2-Butanone
 Concen: 98.925 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.6	3.3	4.9#
72	27.9	22.0	33.0





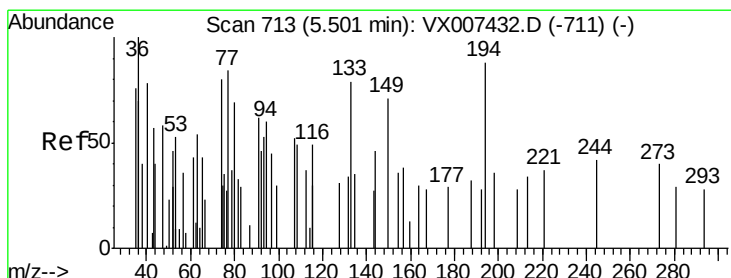
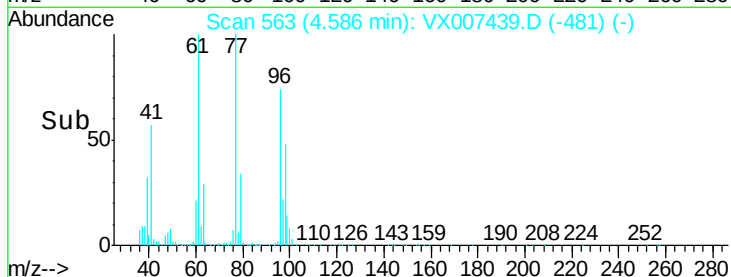
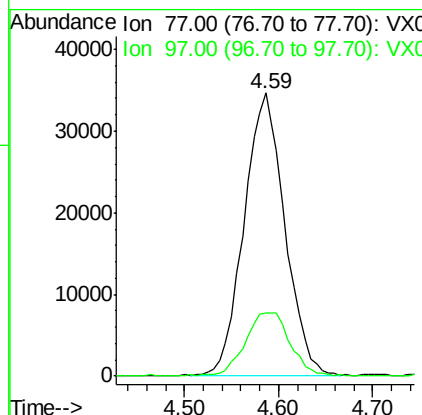
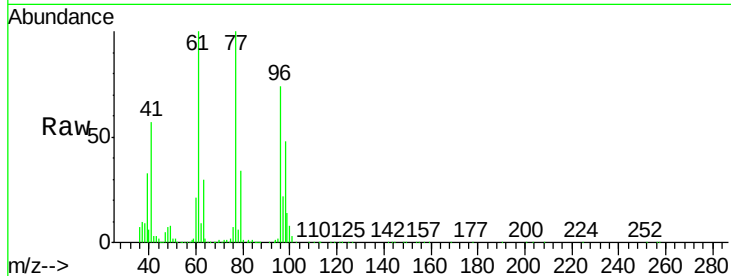
#31
 2,2-Dichloropropane
 Concen: 19.143 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBSD01

Tot Ion: 77 Resp: 105261
 Ion Ratio Lower Upper
 77 100
 97 14.4 19.8 29.8#

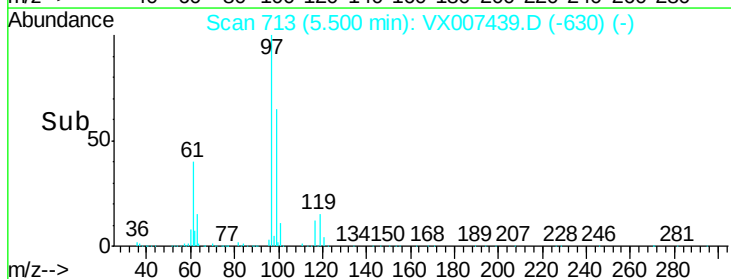
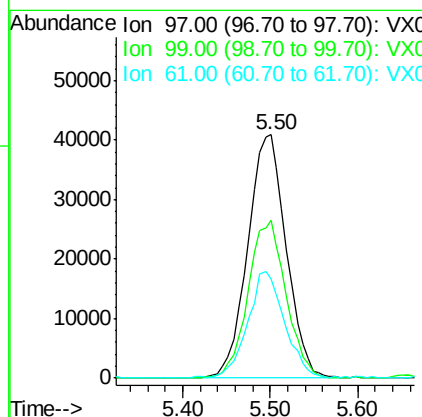
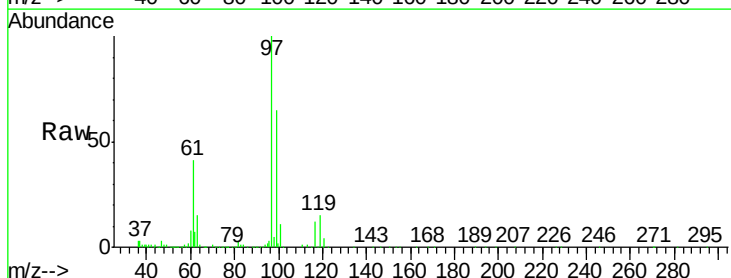
Manual Integrations
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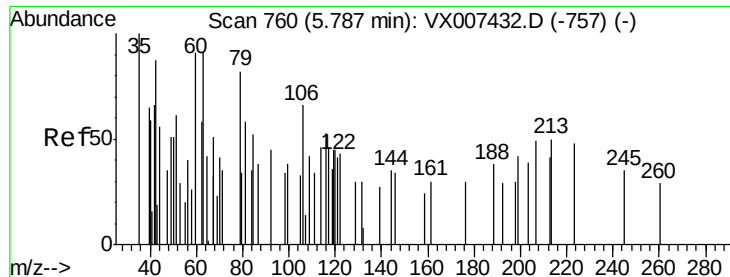
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 19.378 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Tgt Ion: 97 Resp: 124642
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.9 77.9
 61 41.8 33.6 50.4





#33

Carbon Tetrachloride

Concen: 18.607 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

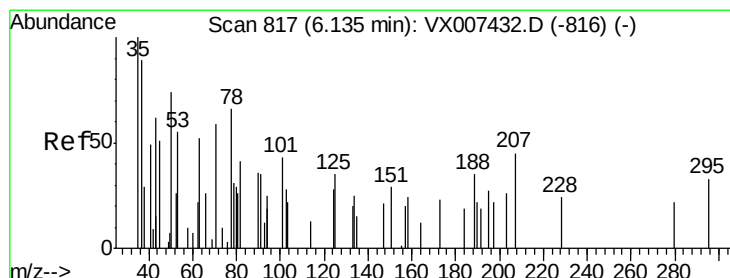
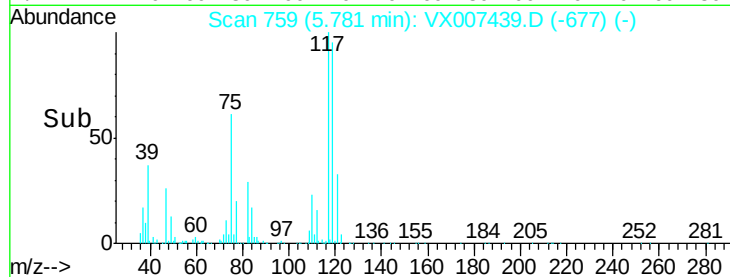
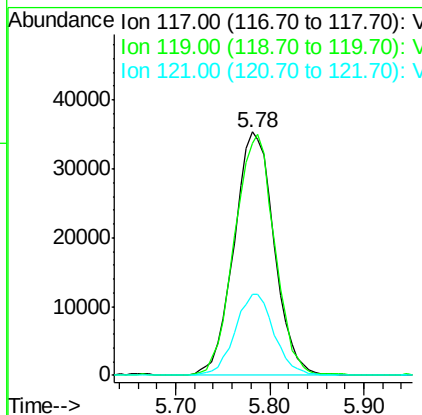
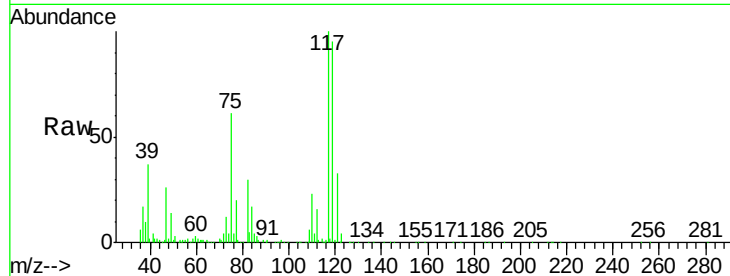
ClientSampleId :

VX0208WBSD01

Tot Ion:	117	Resp:	105210
Ion Ratio	Lower	Upper	
117	100		
119	95.4	73.5	110.3
121	33.3	24.6	37.0

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#34

Benzene

Concen: 19.461 ug/l

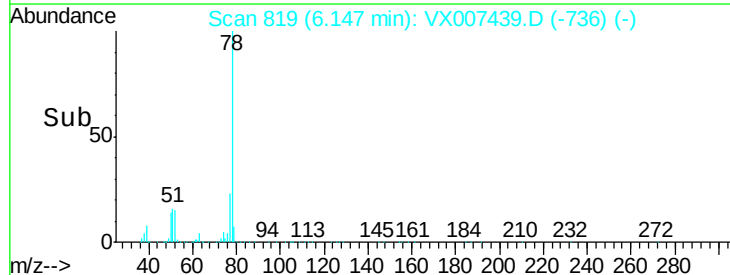
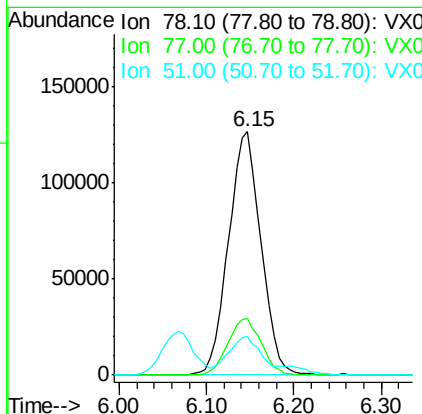
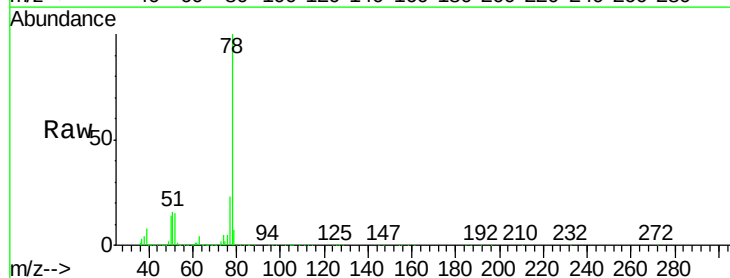
RT: 6.15 min Scan# 819

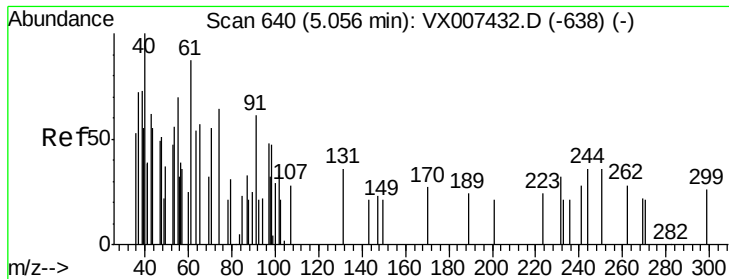
Delta R.T. 0.01 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tgt Ion:	78	Resp:	326705
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.1	28.7
51	15.6	12.4	18.6





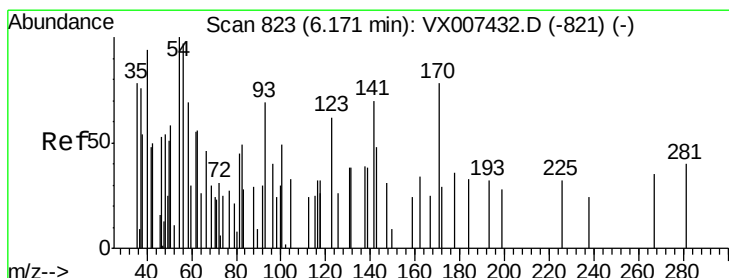
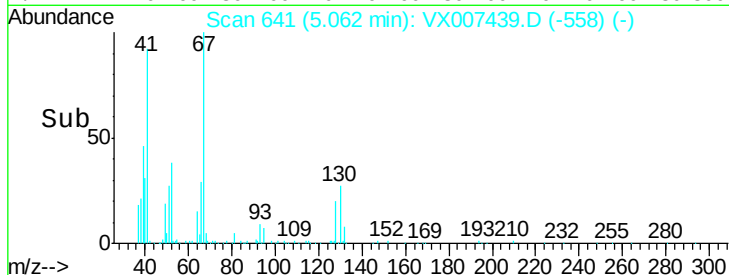
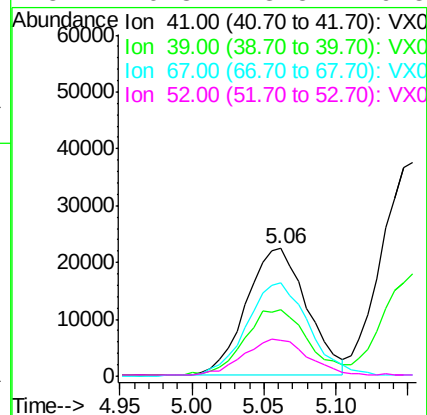
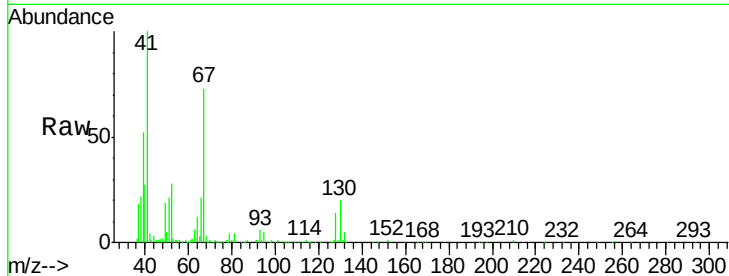
#35
Methacrylonitrile
Concen: 19.627 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.7	27.5	82.4
67	72.6	34.8	104.3
52	26.8	13.5	40.5

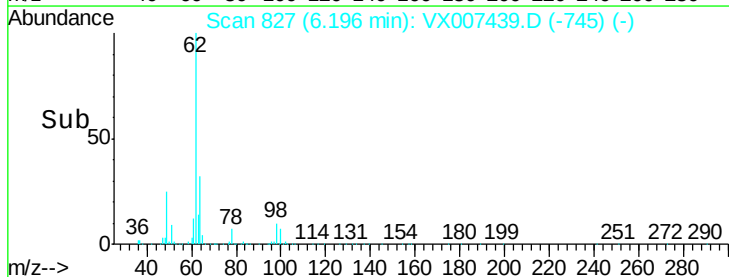
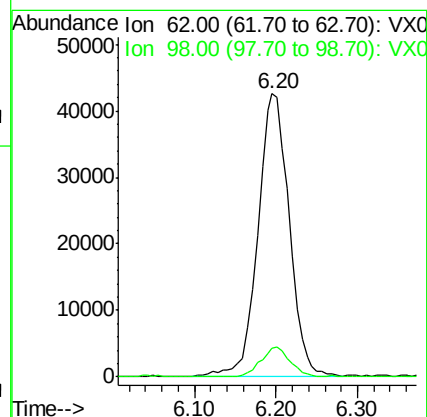
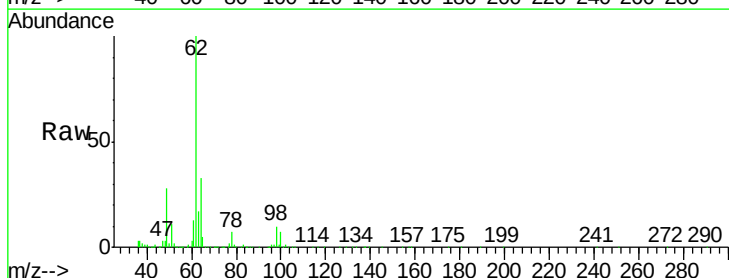
Manual Integrations
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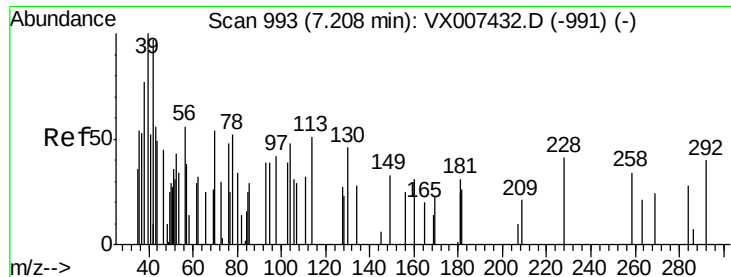
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.618 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.1	12.1





#37

Trichloroethene

Concen: 19.579 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion:130 Resp: 96916

Ion Ratio Lower Upper

130 100

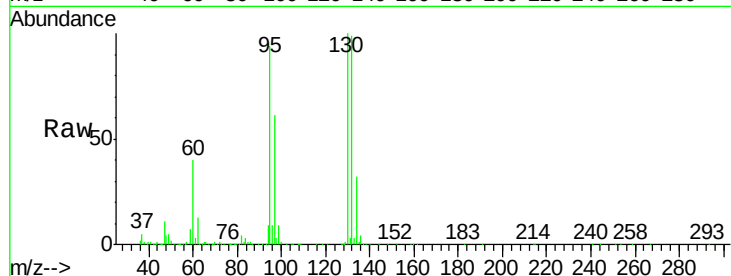
95 94.1 73.7 110.5

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

50000

40000

30000

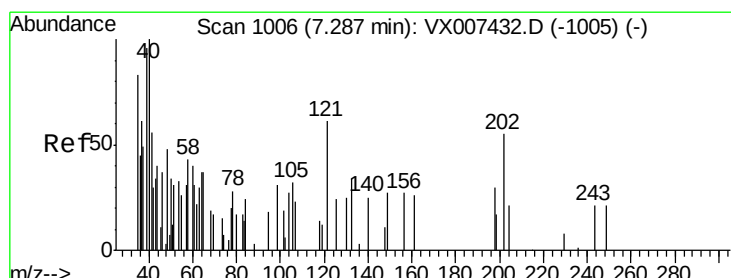
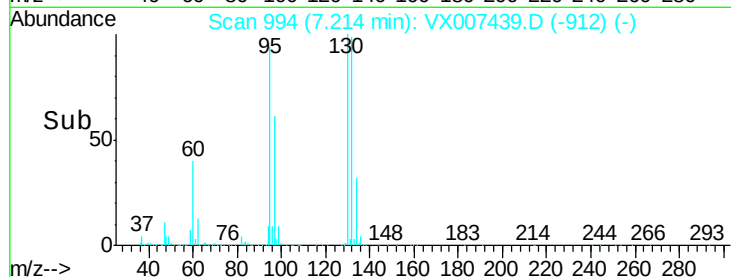
20000

10000

0

7.10 7.20 7.30

Time-->



#38

Methylcyclohexane

Concen: 18.137 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

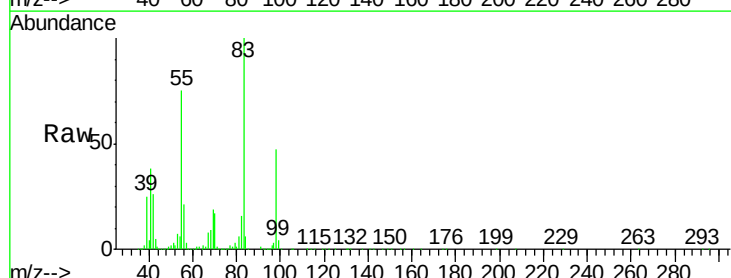
Tgt Ion: 83 Resp: 125105

Ion Ratio Lower Upper

83 100

55 73.8 36.6 109.8

98 48.0 24.1 72.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

60000

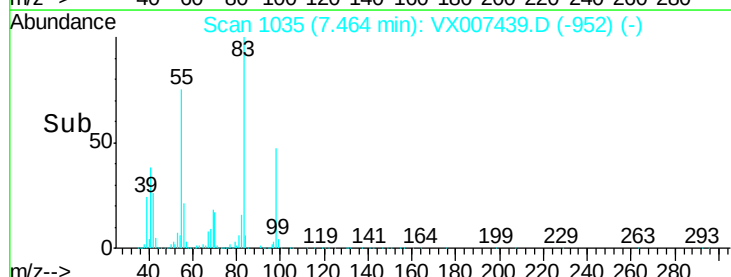
40000

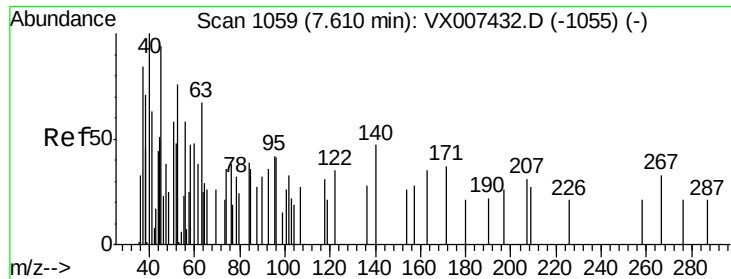
20000

0

7.35 7.40 7.45 7.50 7.55

Time-->





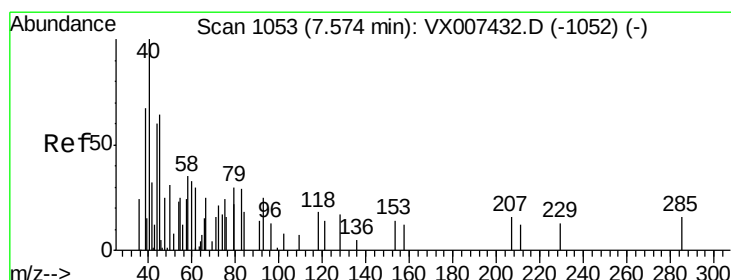
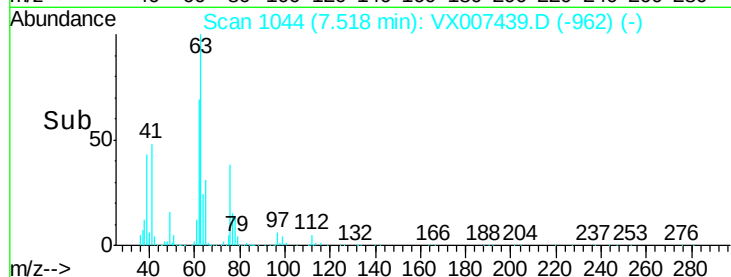
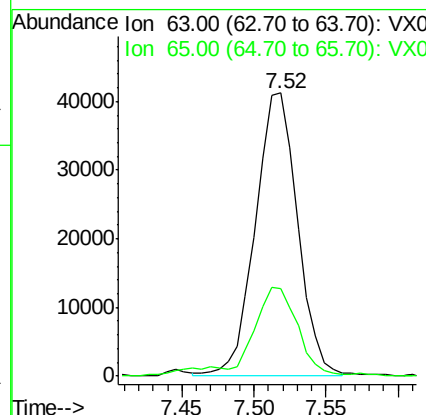
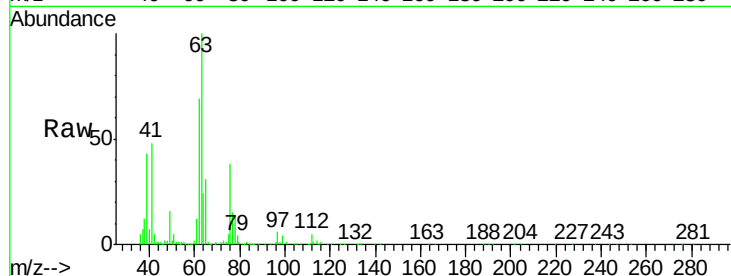
#39
 1,2-Dichloropropane
 Concen: 19.840 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBSD01

Tot Ion: 63 Resp: 83532
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1

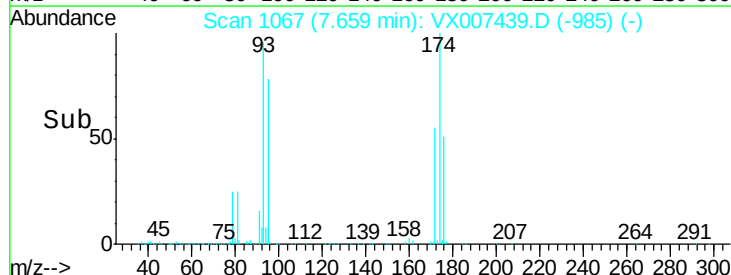
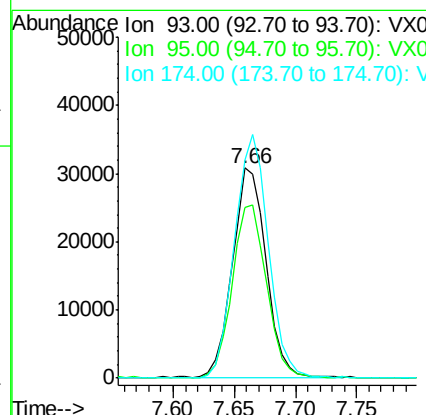
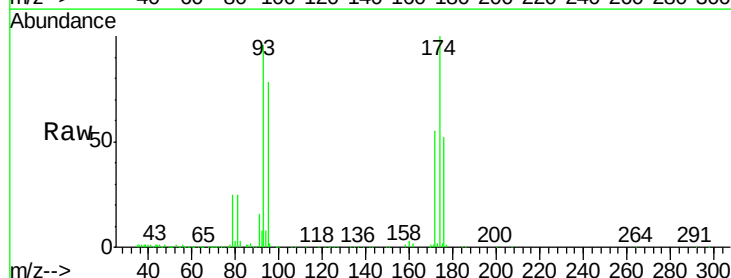
Manual Integrations
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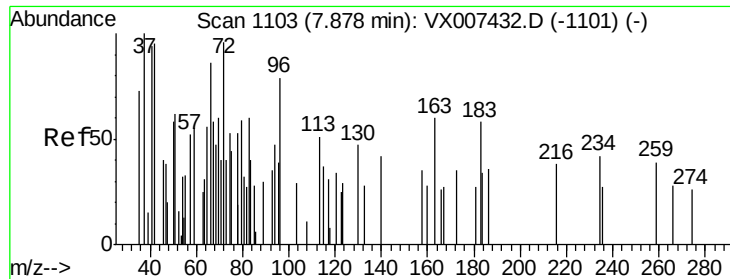
MMDadoda
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#40
 Dibromomethane
 Concen: 19.442 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Tgt Ion: 93 Resp: 58963
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 172.4
 174 116.2 0.0 233.0





#41

Bromodichloromethane

Concen: 18.909 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion: 83 Resp: 100642

Ion Ratio Lower Upper

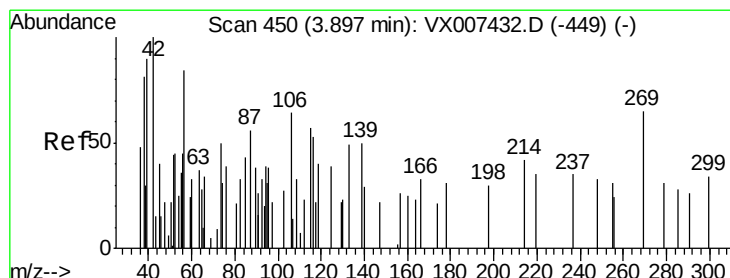
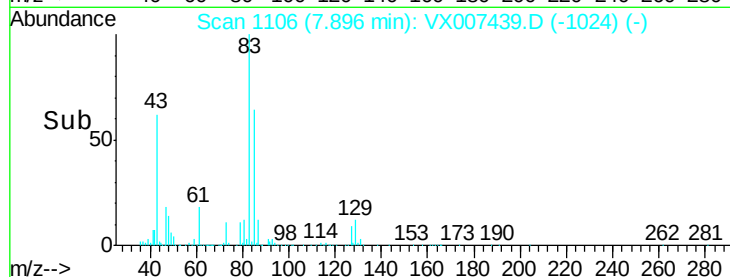
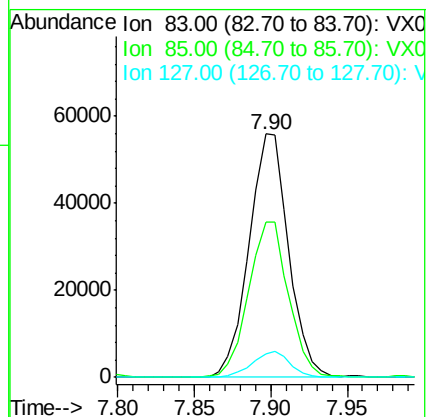
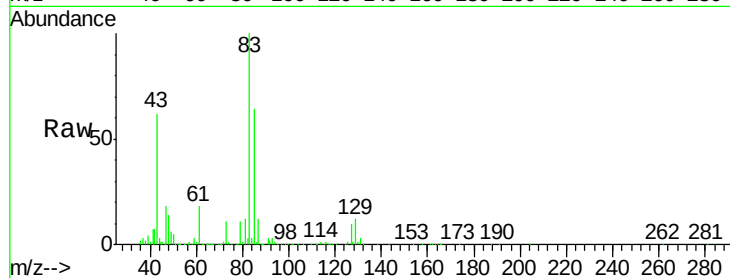
83 100

85 63.7 48.2 72.2

127 9.5 8.3 12.5

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#42

Vinyl Acetate

Concen: 93.678 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007439.D

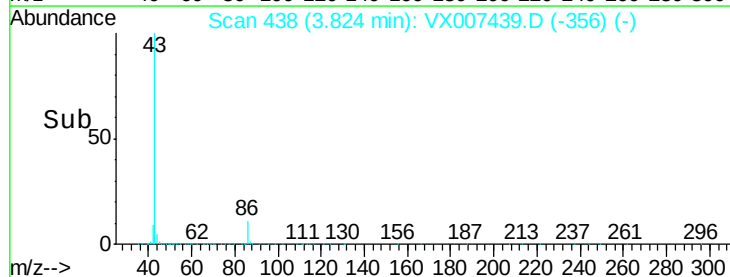
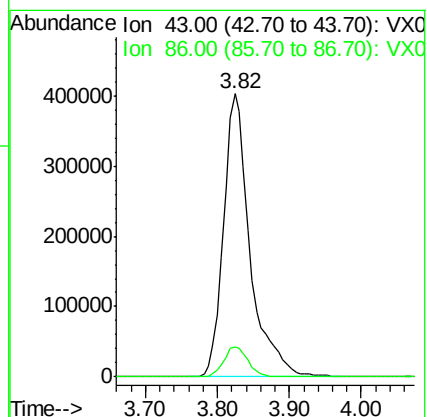
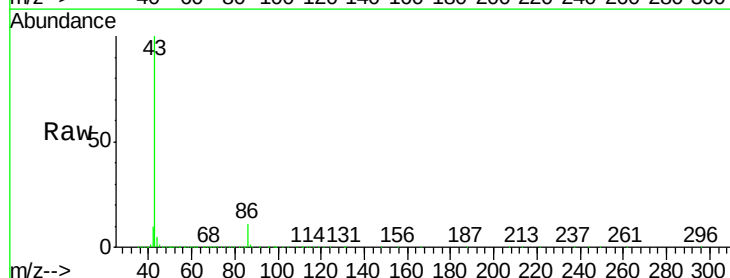
Acq: 08 Feb 2019 13:56

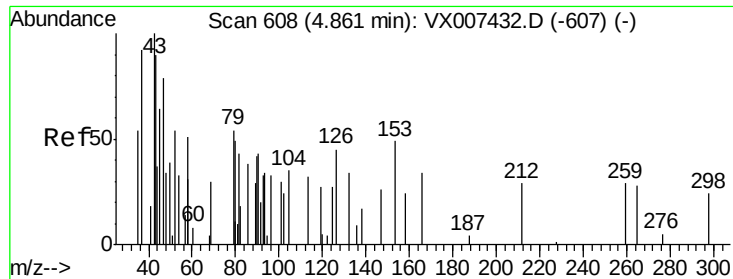
Tgt Ion: 43 Resp: 1032920

Ion Ratio Lower Upper

43 100

86 9.8 8.0 12.0





#43

Ethyl Acetate

Concen: 18.783 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion: 43 Resp: 113976

Ion Ratio Lower Upper

43 100

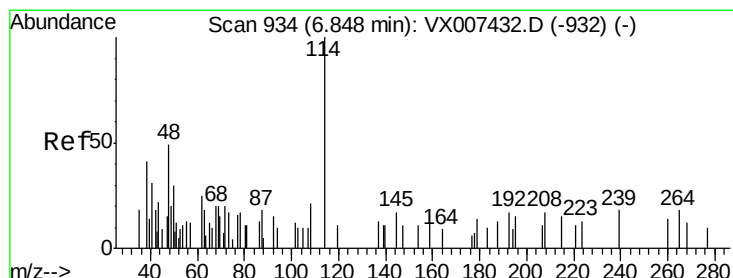
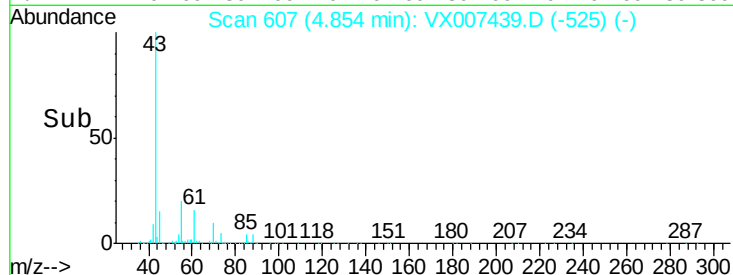
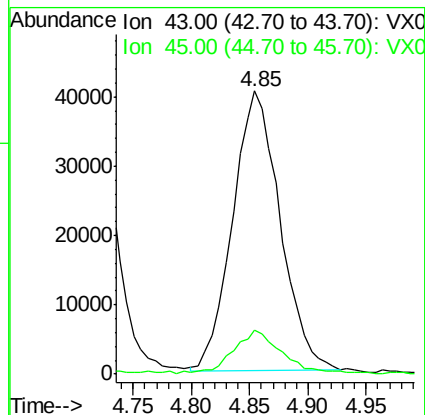
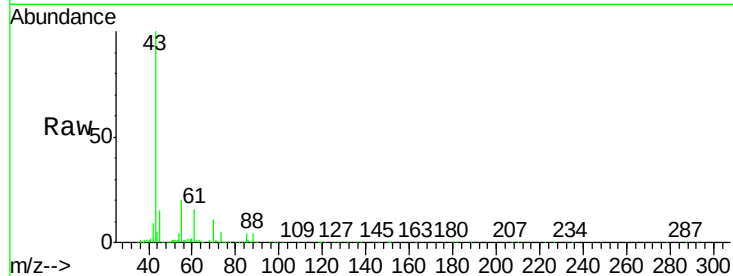
45 14.6 11.7 17.5

Manual Integrations

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2/11/2019 9:37:27 AM



#44

Isopropyl Acetate

Concen: 19.421 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007439.D

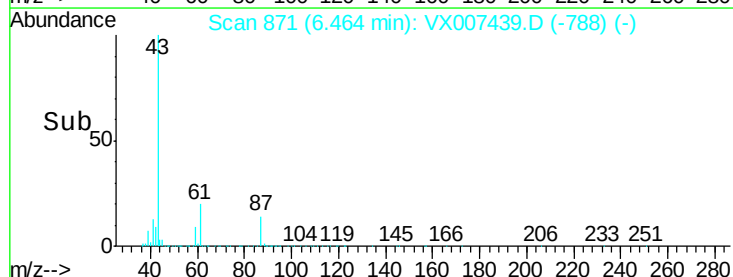
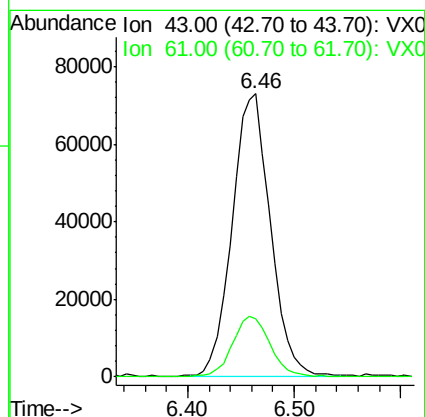
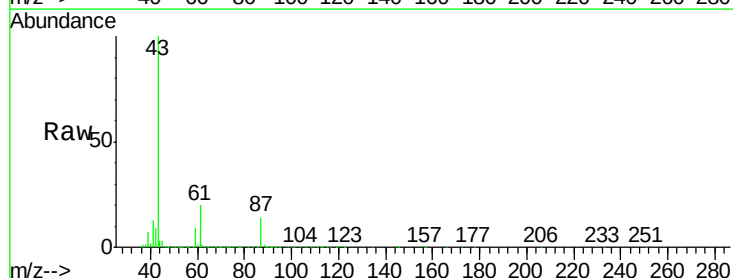
Acq: 08 Feb 2019 13:56

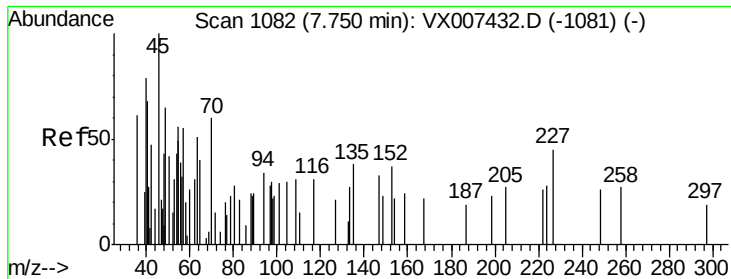
Tgt Ion: 43 Resp: 184065

Ion Ratio Lower Upper

43 100

61 20.7 16.8 25.2





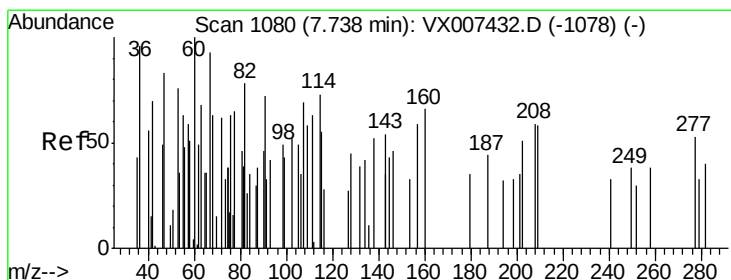
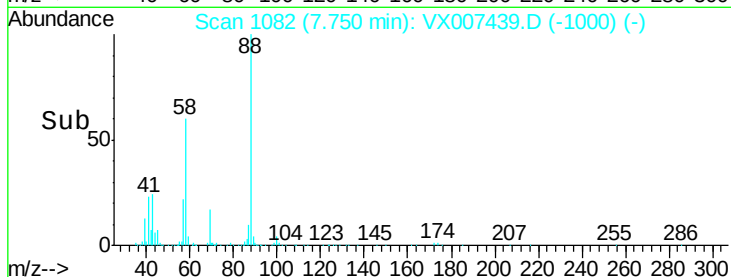
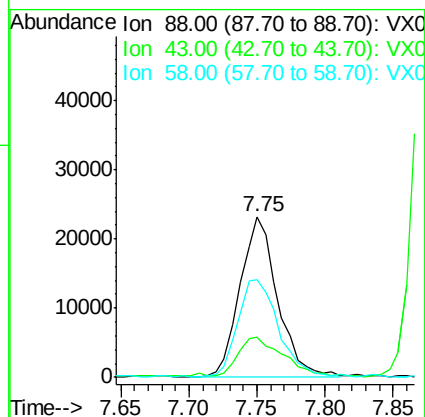
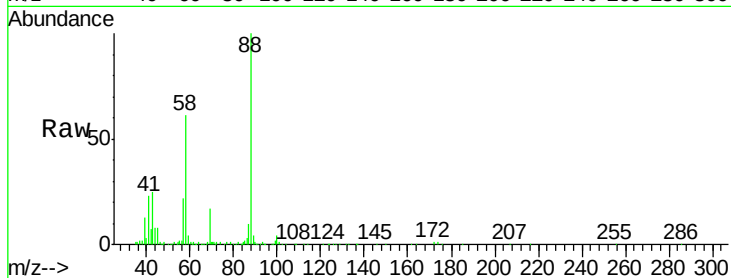
#45
 1,4-Dioxane
 Concen: 391.508 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBSD01

Tot Ion	88	Resp	44964
Ion	Ratio	Lower	Upper
88	100		
43	27.0	23.5	35.3
58	65.1	51.6	77.4

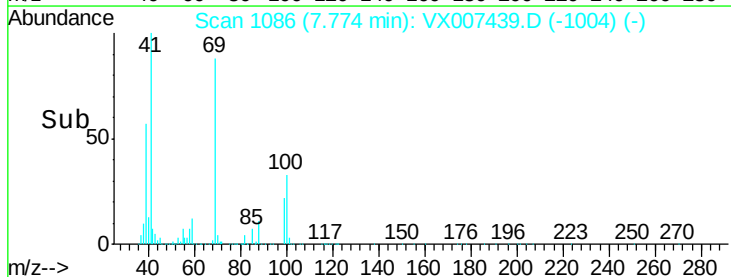
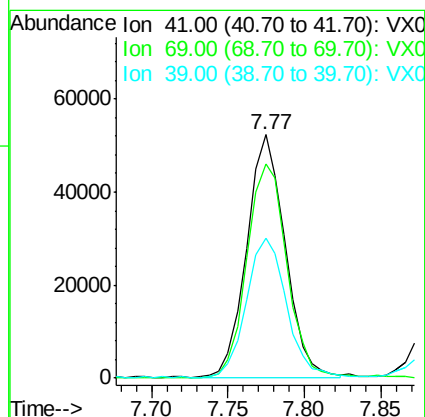
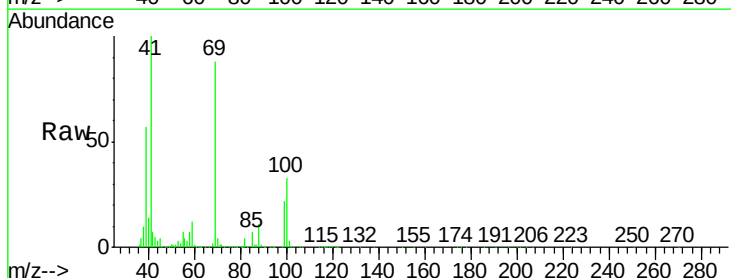
Manual Integrations
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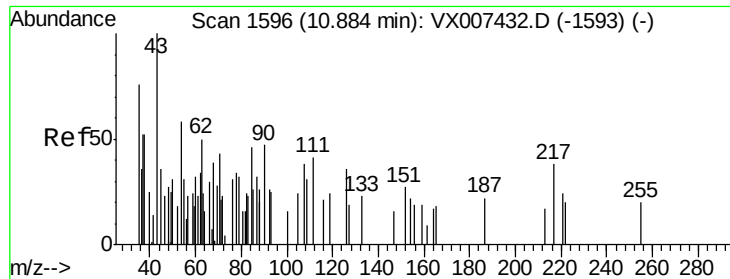
MMDadoda
 2/11/2019 9:37:27 AM



#46
 Methyl methacrylate
 Concen: 18.834 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Tgt Ion	41	Resp	91268
Ion	Ratio	Lower	Upper
41	100		
69	87.9	43.0	129.2
39	57.2	29.4	88.2





#47

n-amvl Acetate

Concen: 19.108 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion: 43 Resp: 159231

Ion Ratio Lower Upper

43 100

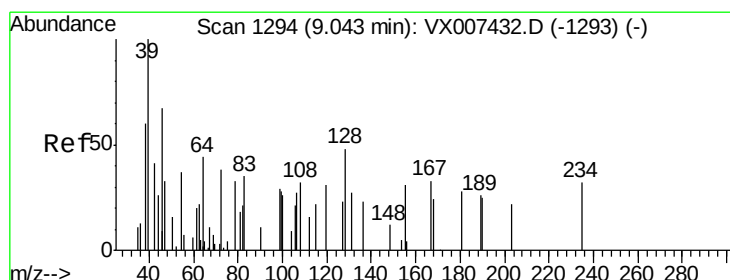
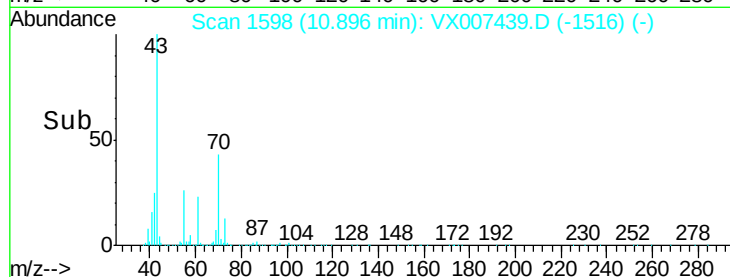
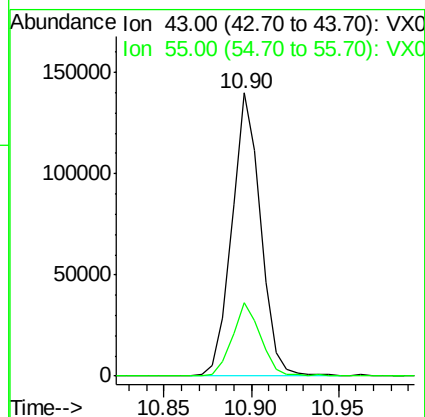
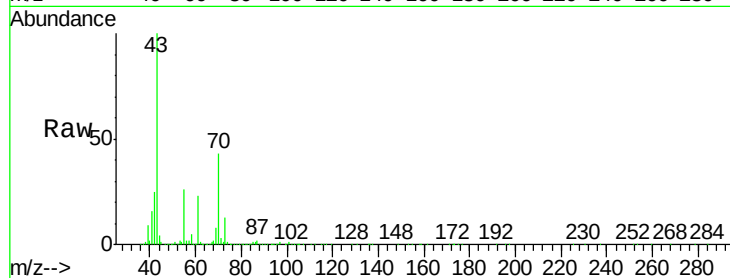
55 25.6 19.9 29.9

Manual Integrations

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MMDadoda

2/11/2019 9:37:27 AM



#48

t-1,3-Dichloropropene

Concen: 18.289 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007439.D

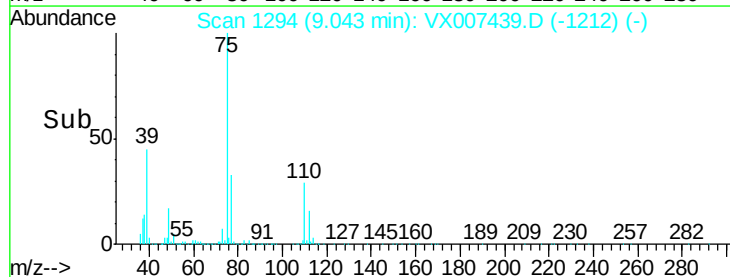
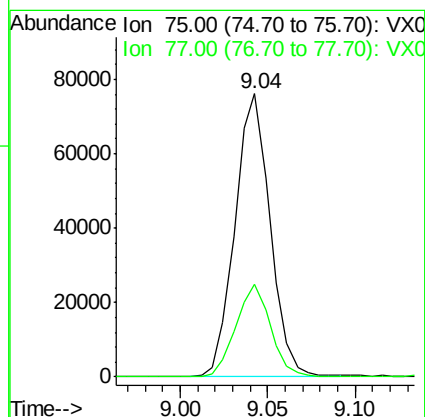
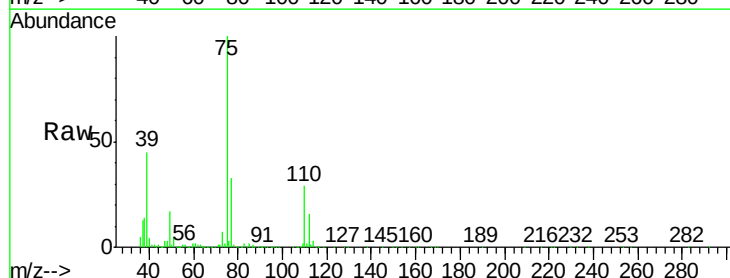
Acq: 08 Feb 2019 13:56

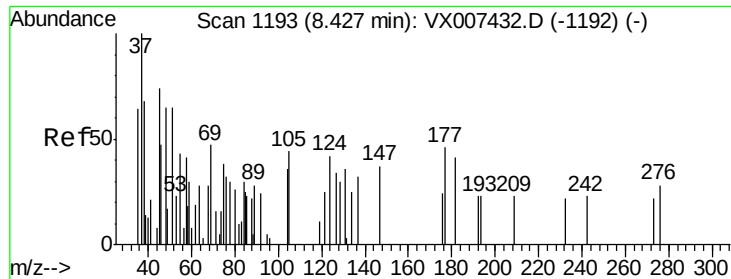
Tgt Ion: 75 Resp: 106171

Ion Ratio Lower Upper

75 100

77 32.6 26.7 40.1





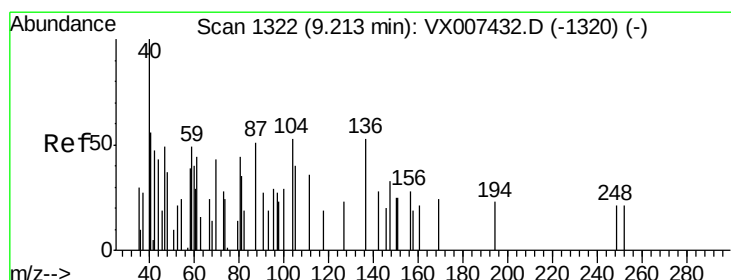
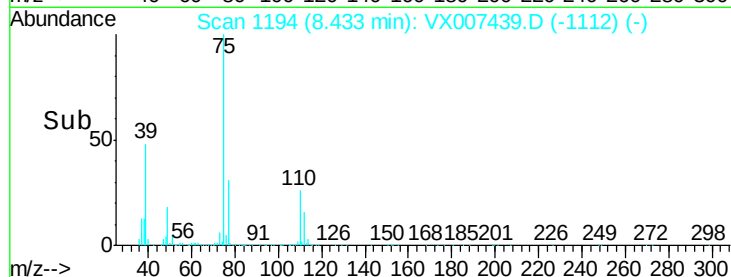
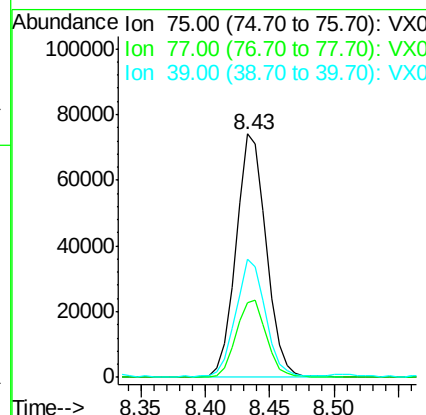
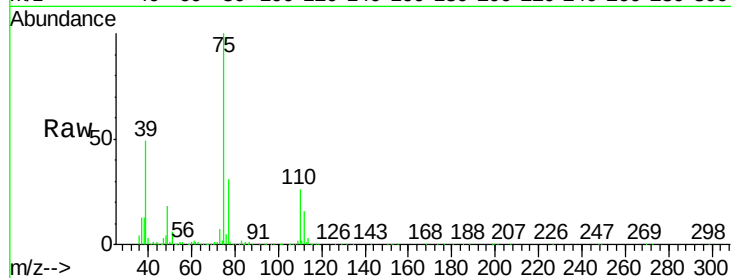
#49
 cis-1,3-Dichloropropene
 Concen: 18.711 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	30.7	26.2	39.4	
39	48.5	37.2	55.8	

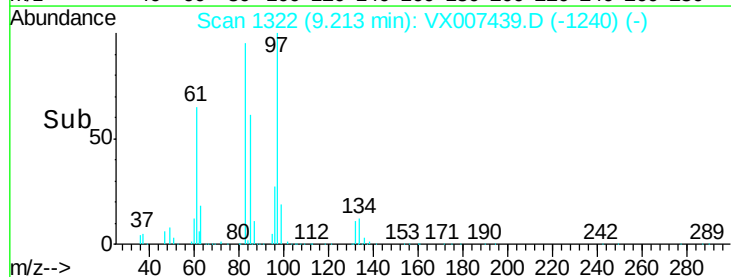
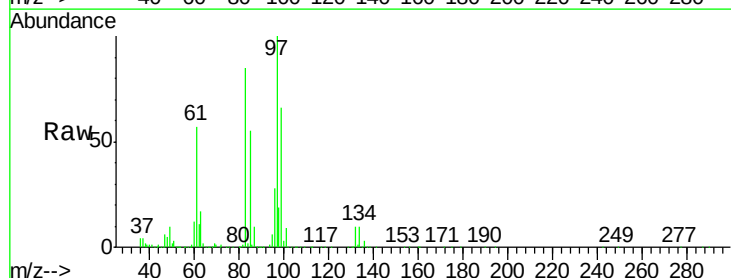
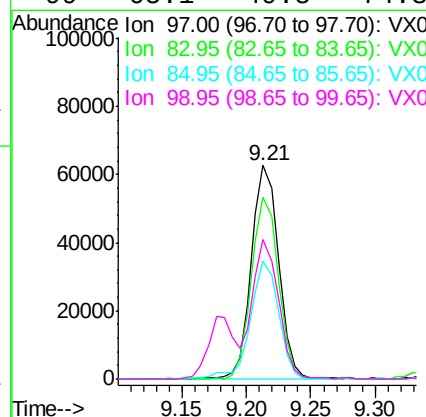
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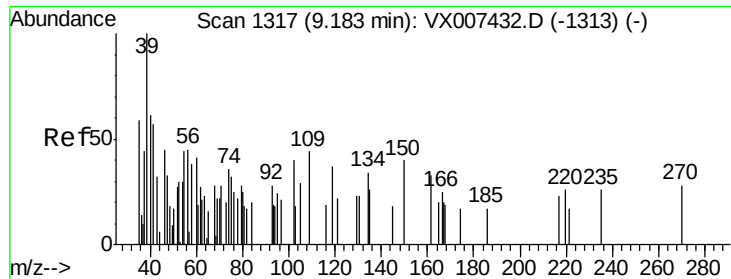
MMDadoda
 2/11/2019 9:37:27 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.070 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	84.8	62.5	93.7	
85	54.6	41.8	62.6	
99	65.1	49.5	74.3	





#51

Ethyl methacrylate

Concen: 19.685 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion: 69 Resp: 128030

Ion Ratio Lower Upper

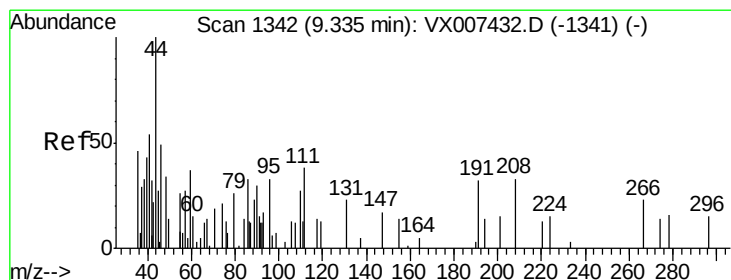
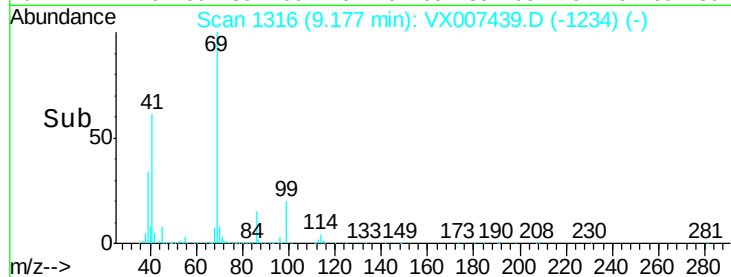
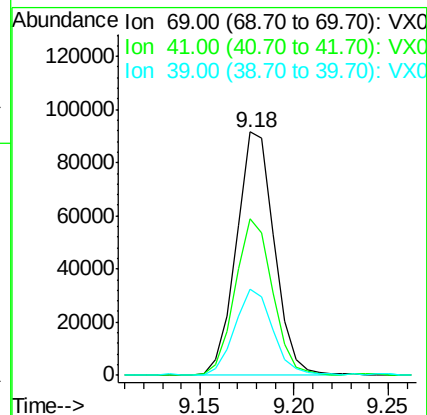
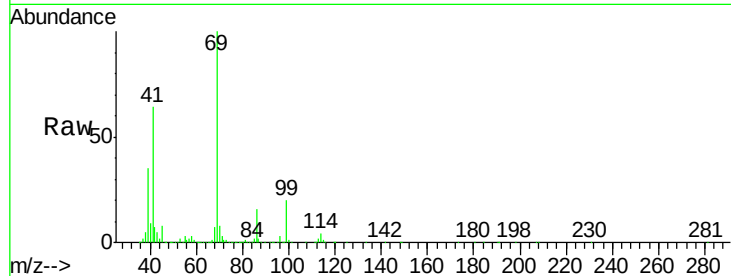
69 100

41 64.0 34.2 102.6

39 35.1 20.3 60.8

Manual Integrations
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MMDadoda
2/11/2019 9:37:27 AM



#52

1,3-Dichloropropane

Concen: 19.752 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007439.D

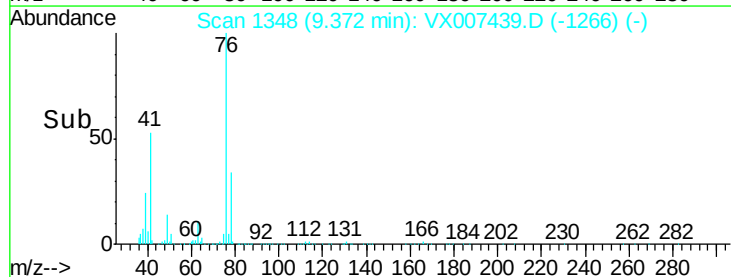
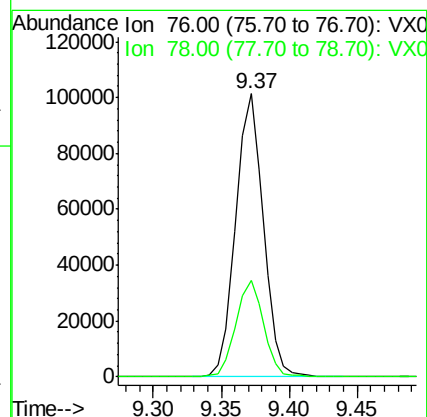
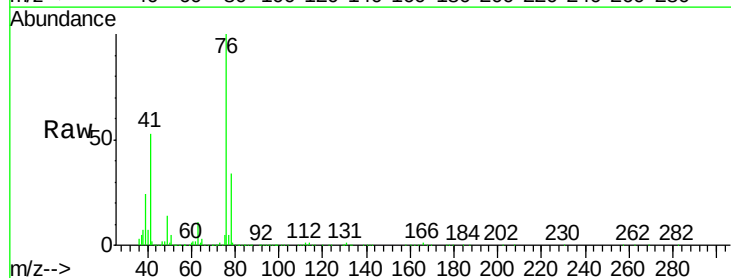
Acq: 08 Feb 2019 13:56

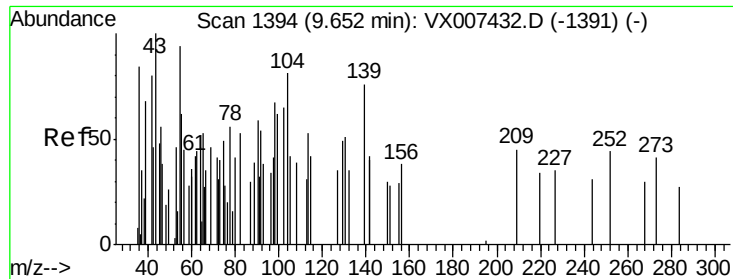
Tgt Ion: 76 Resp: 143959

Ion Ratio Lower Upper

76 100

78 34.0 0.0 66.2





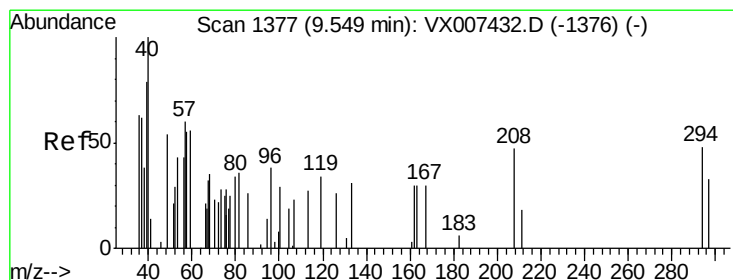
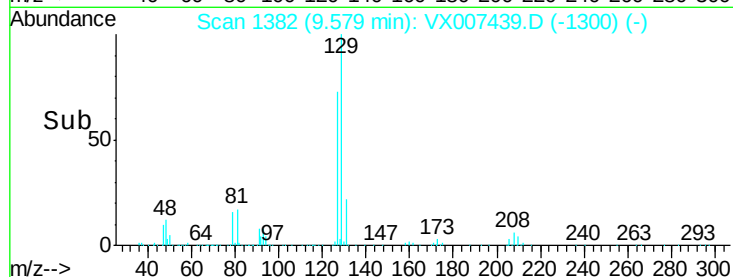
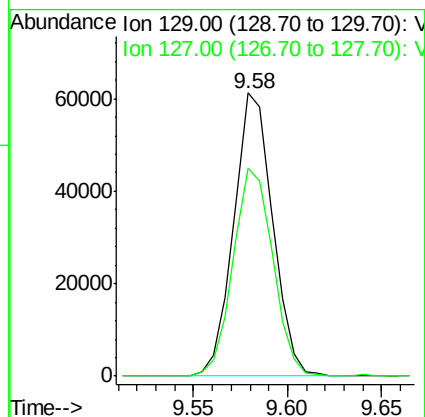
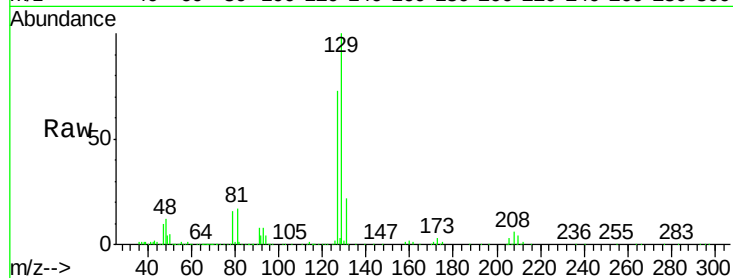
#53
 Dibromochloromethane
 Concen: 19.140 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBSD01

Tot Ion:129 Resp: 88054
 Ion Ratio Lower Upper
 129 100
 127 75.0 37.7 113.1

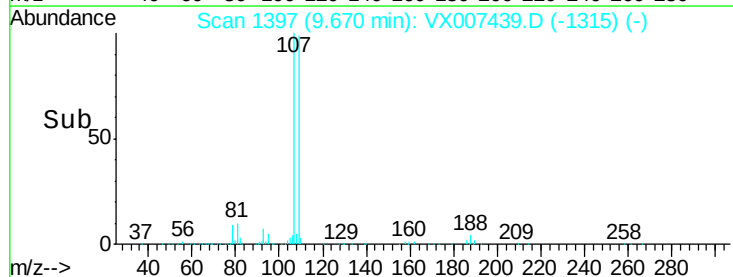
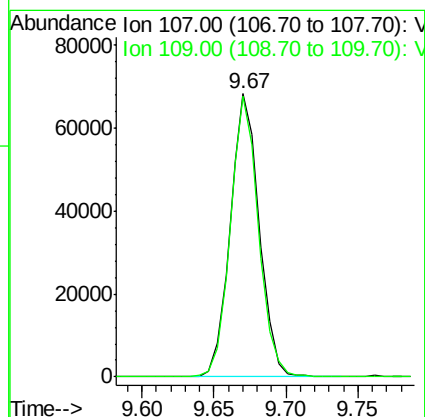
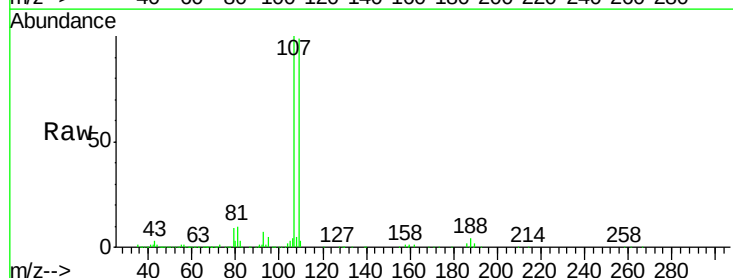
Manual Integrations
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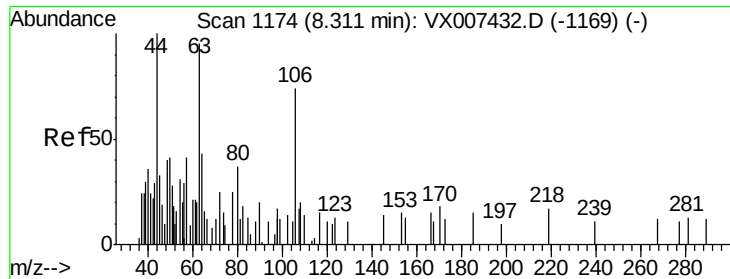
MMDadoda
 2/11/2019 9:37:27 AM



#54
 1,2-Dibromoethane
 Concen: 19.677 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Tgt Ion:107 Resp: 96421
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.5 113.3





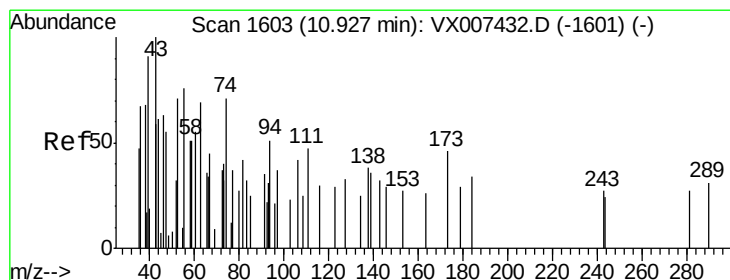
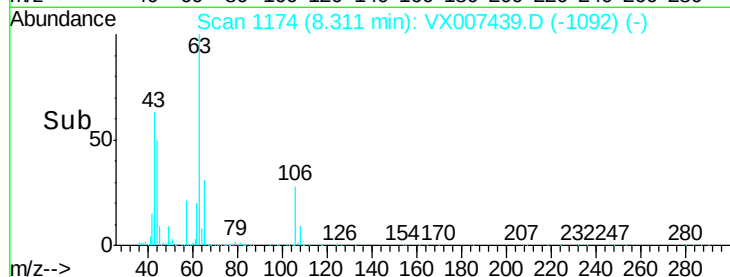
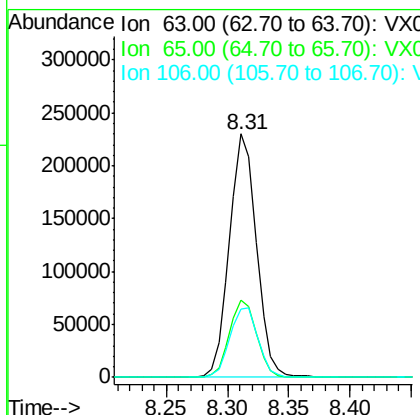
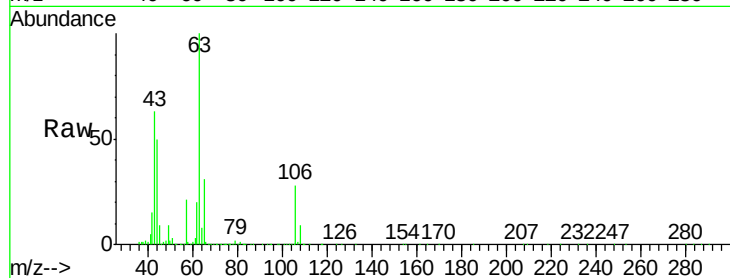
#55
2-Chloroethyl vinyl ether
Concen: 98.261 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.9	38.9
106	29.8	23.8	35.8

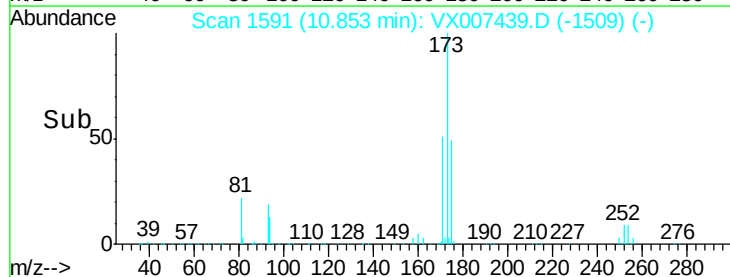
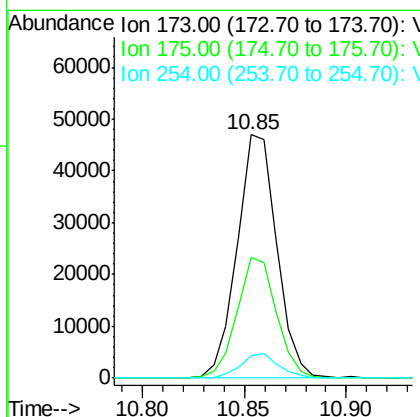
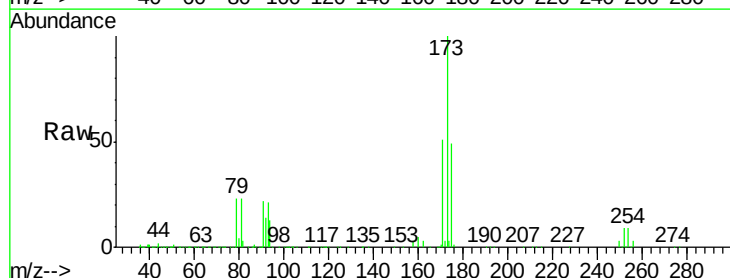
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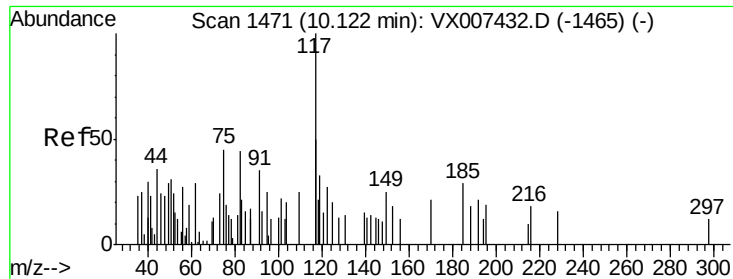
MMDadoda
2/11/2019 9:37:27 AM



#56
Bromoform
Concen: 18.210 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	38.9	58.3
254	9.6	8.5	12.7





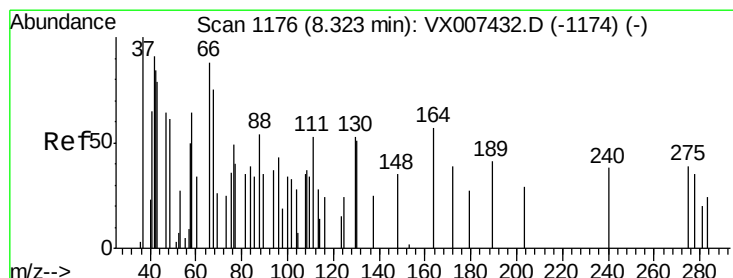
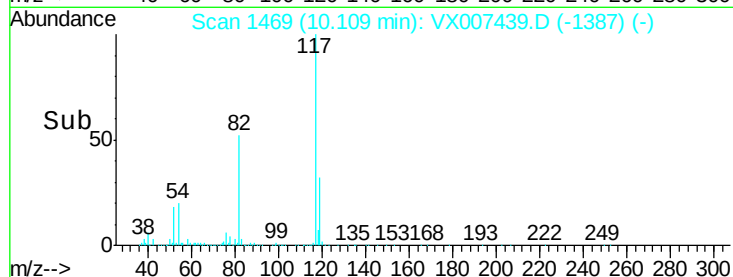
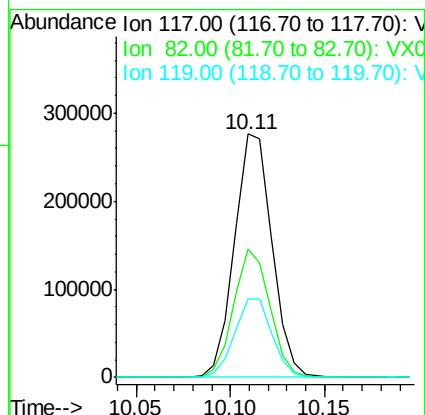
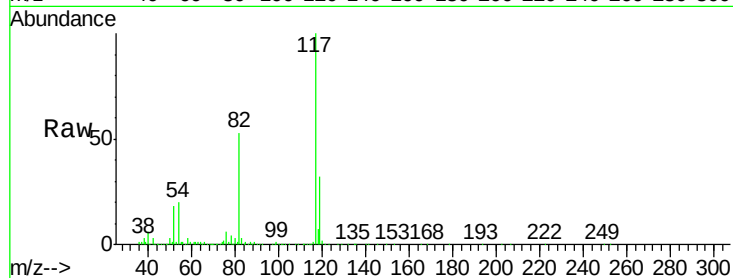
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.4	62.0
119	32.5	25.7	38.5

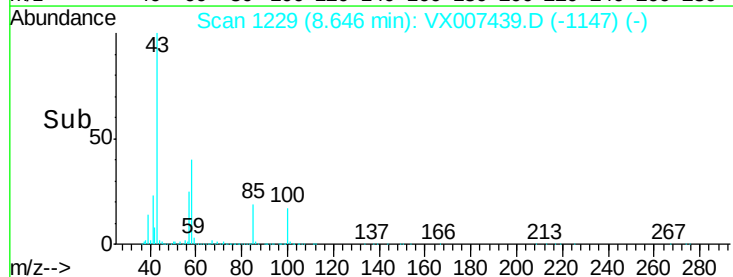
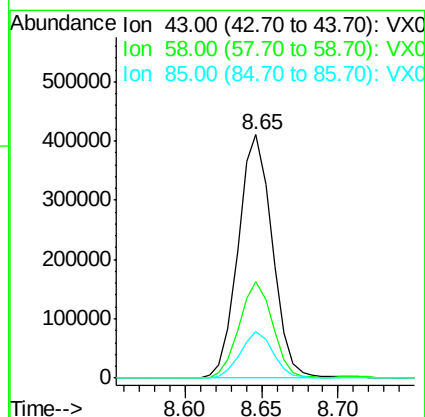
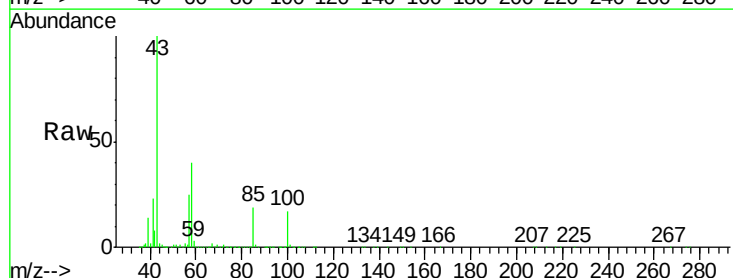
Manual Integrations
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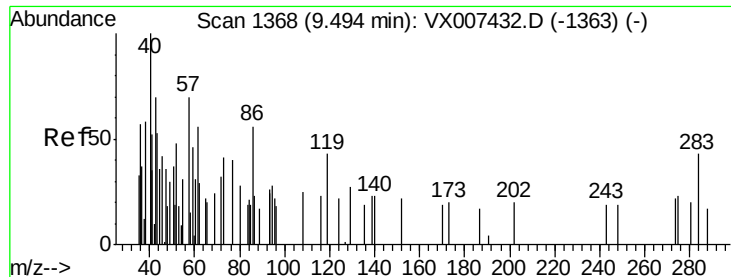
MMDadoda
2/11/2019 9:37:27 AM



#58
4-Methyl-2-Pentanone
Concen: 99.446 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.6	47.4
85	18.4	14.9	22.3





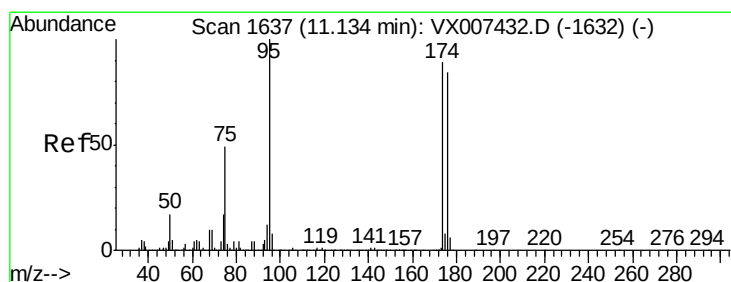
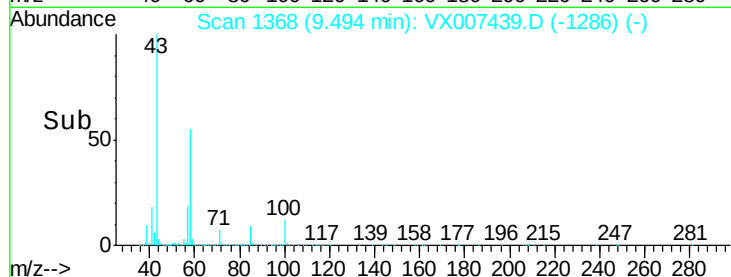
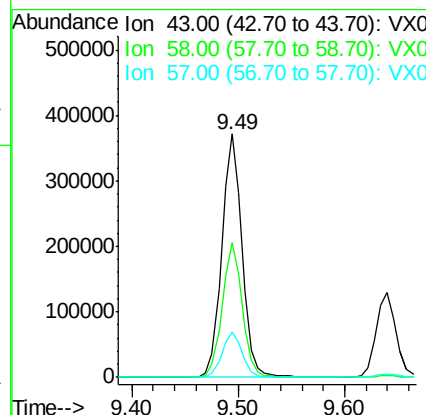
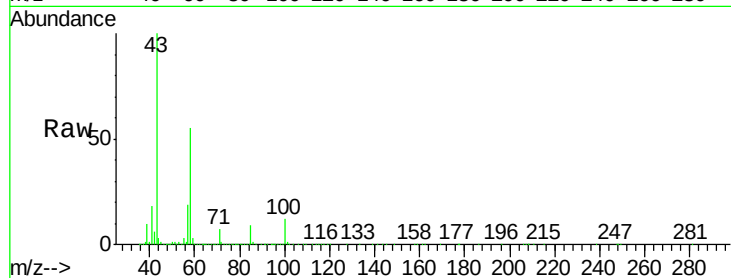
#59
2-Hexanone
Concen: 98.674 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	42.8	64.2
57	18.4	14.8	22.2

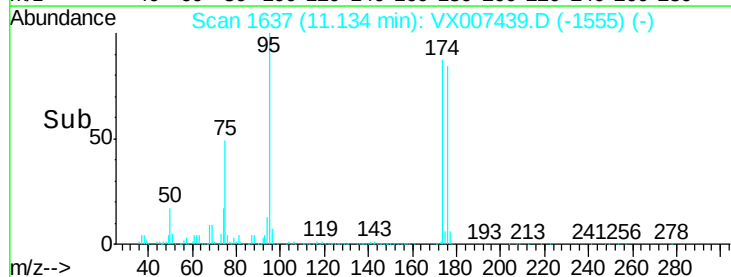
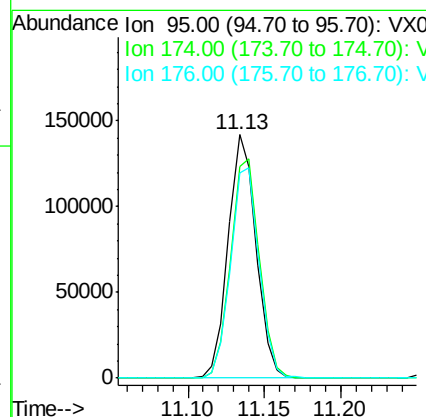
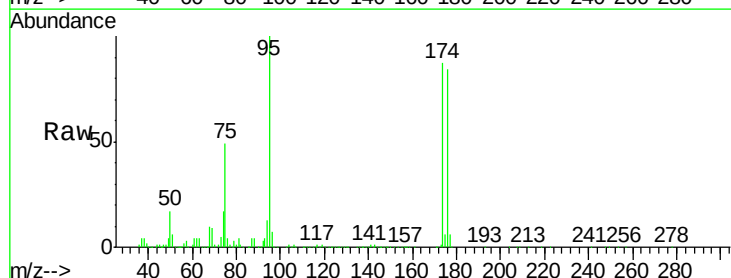
Manual Integrations
APPROVED

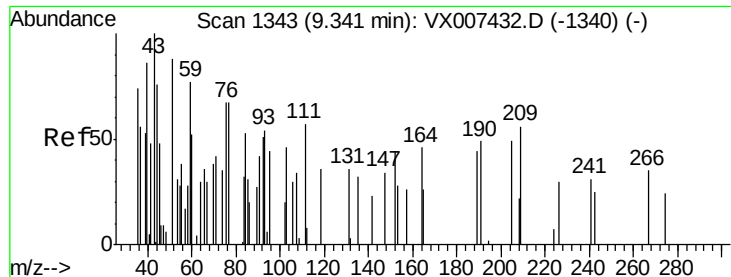
MMDadoda
2/11/2019 9:37:27 AM



#60
4-Bromofluorobenzene
Concen: 30.432 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.2	74.8	112.2
176	89.1	72.5	108.7





#61

Tetrachloroethene

Concen: 18.969 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion:164 Resp: 100826

Ion Ratio Lower Upper

164 100

166 128.9 101.6 152.4

129 91.9 70.6 106.0

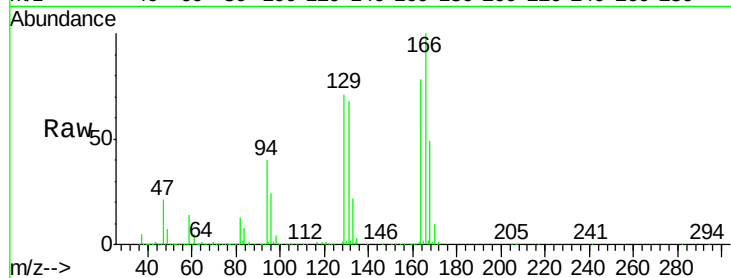
131 86.9 71.1 106.7

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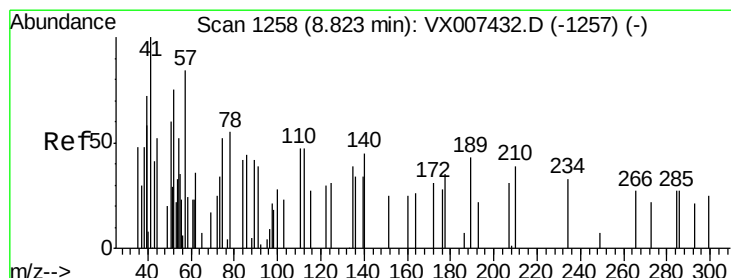
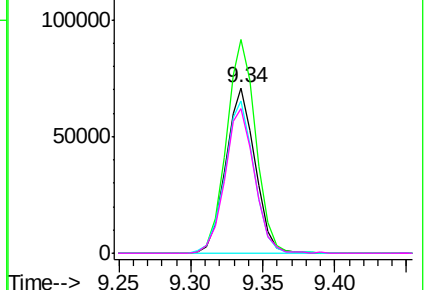
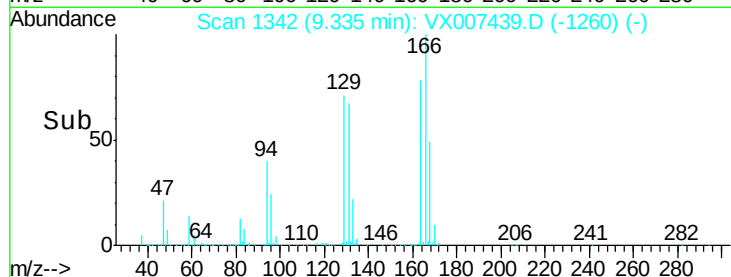


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.497 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007439.D

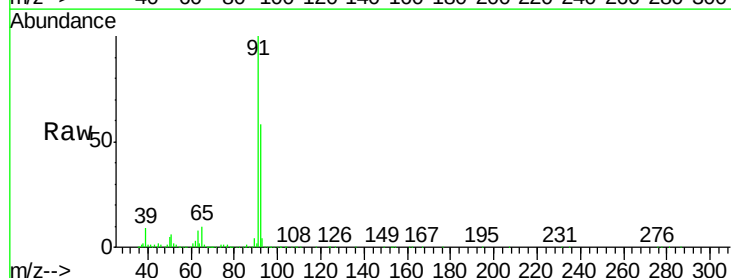
Acq: 08 Feb 2019 13:56

Tgt Ion: 91 Resp: 374231

Ion Ratio Lower Upper

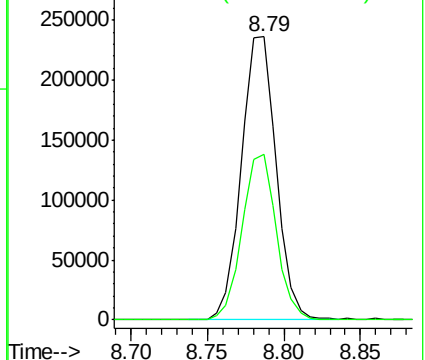
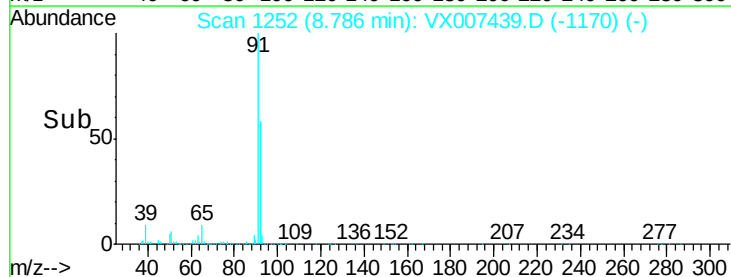
91 100

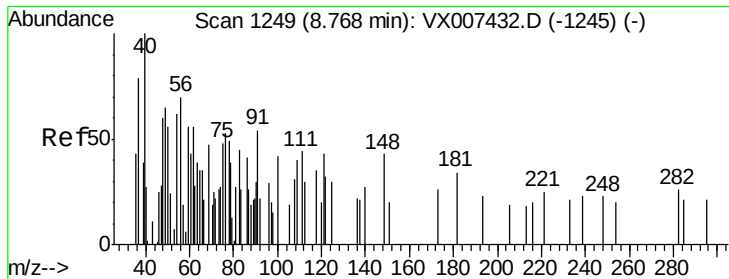
92 57.6 46.0 69.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





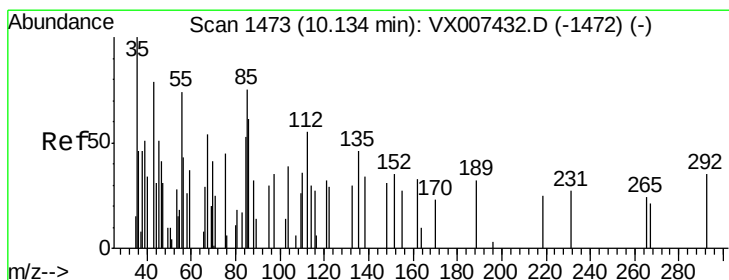
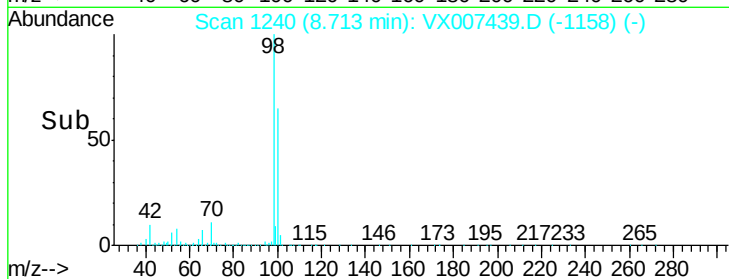
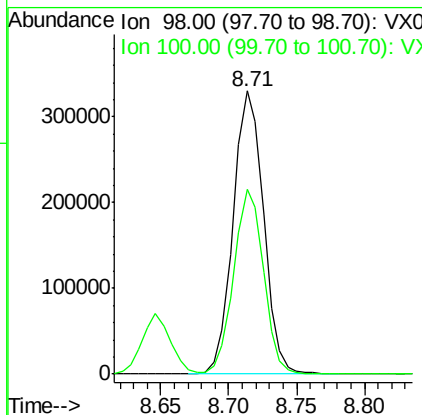
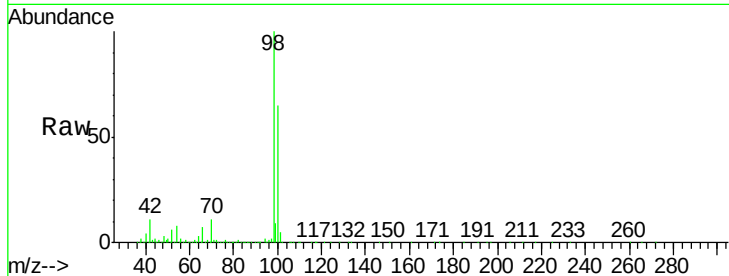
#63
Toluene-d8
Concen: 29.927 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

Tot Ion: 98 Resp: 514409
Ion Ratio Lower Upper
98 100
100 64.2 49.9 74.9

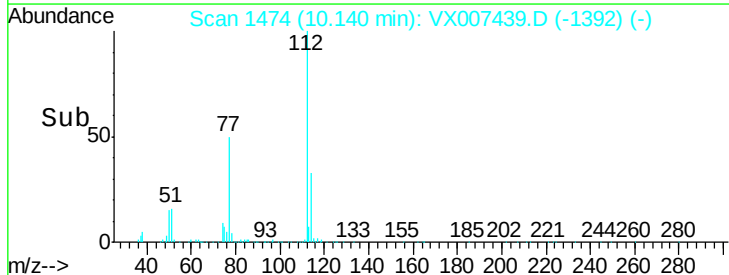
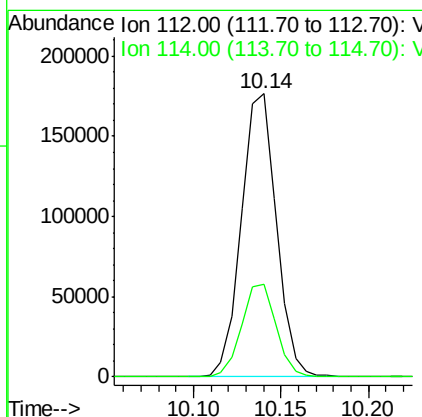
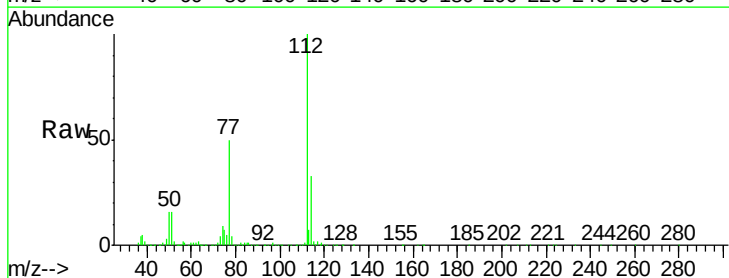
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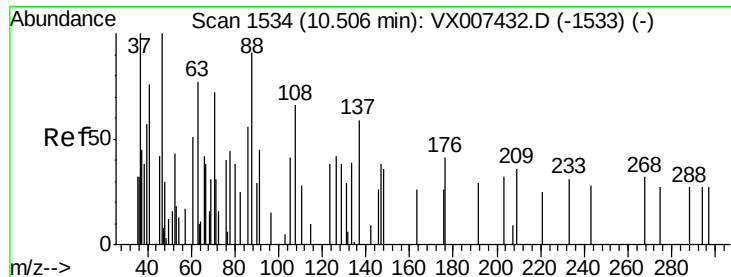
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#64
Chlorobenzene
Concen: 19.449 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tgt Ion: 112 Resp: 246274
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.0





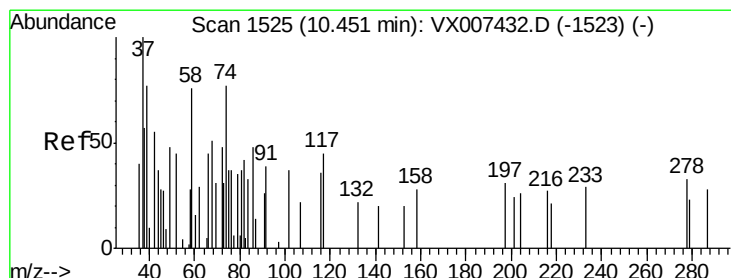
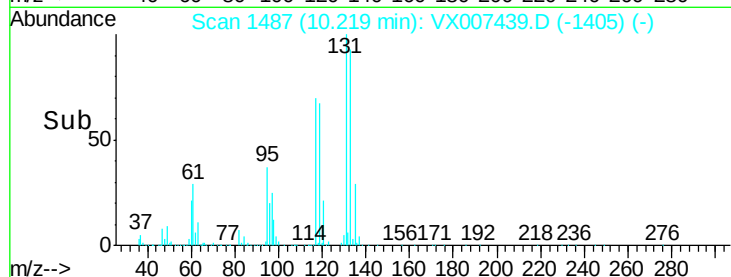
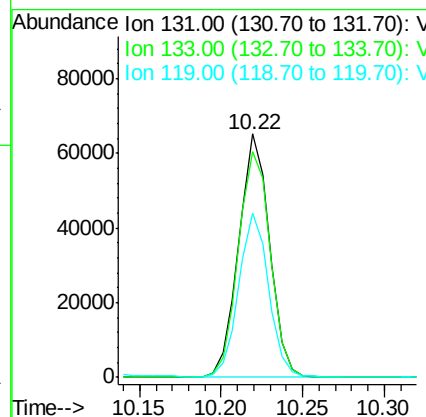
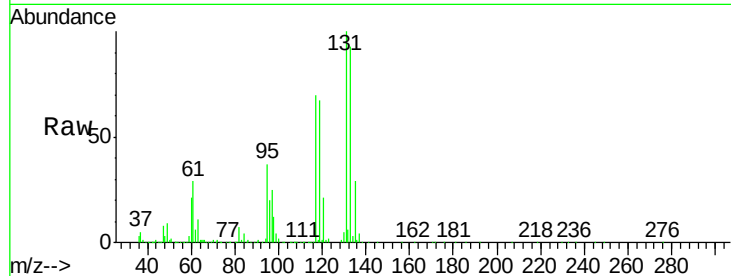
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.224 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.1	0.0	196.4
119	65.0	0.0	134.4

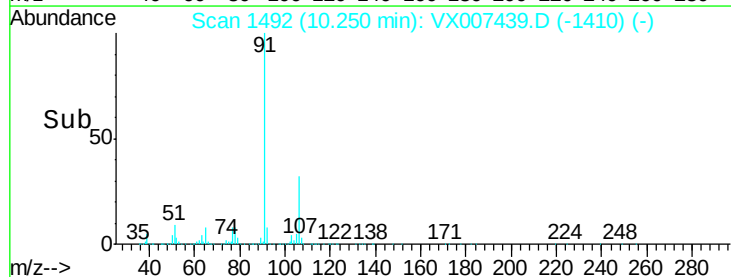
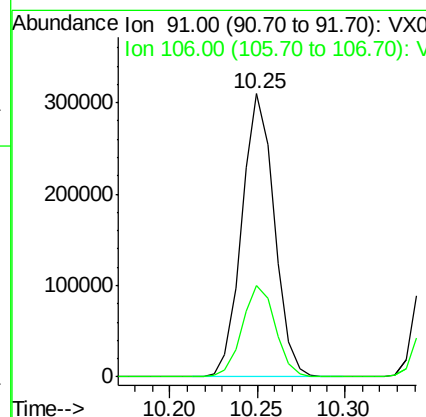
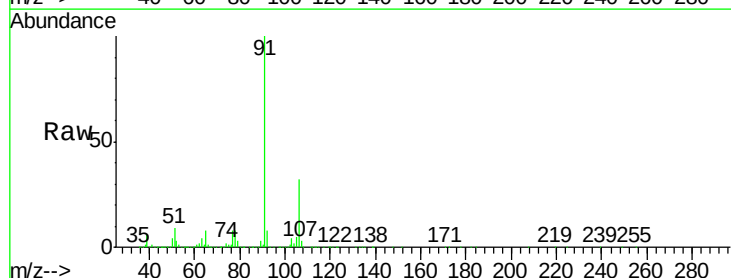
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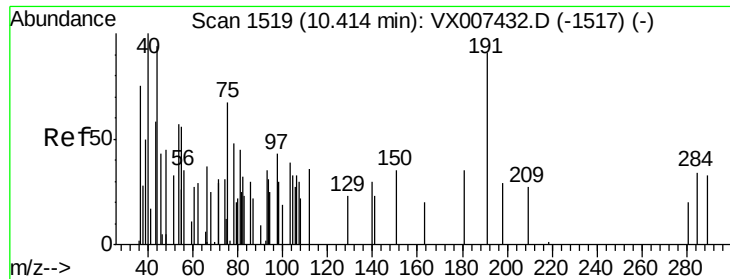
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#66
 Ethyl Benzene
 Concen: 19.231 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.1	37.7





#67

m/p-Xylenes

Concen: 38.428 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion:106 Resp: 315603

Ion Ratio Lower Upper

106 100

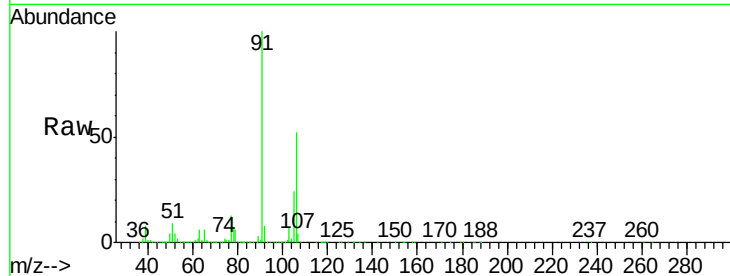
91 194.3 157.6 236.4

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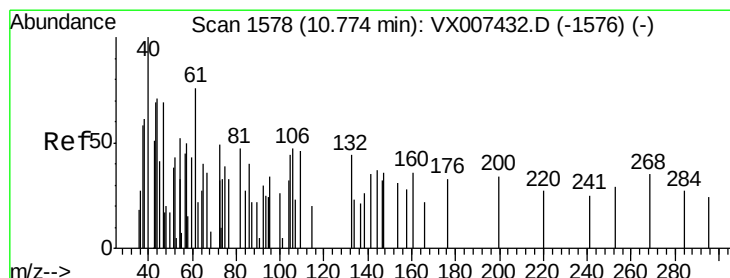
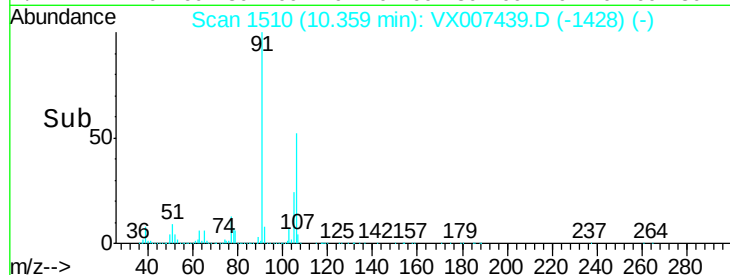
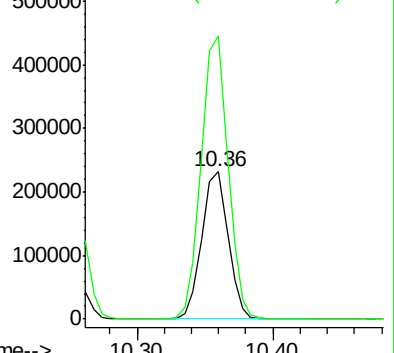
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.432 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX007439.D

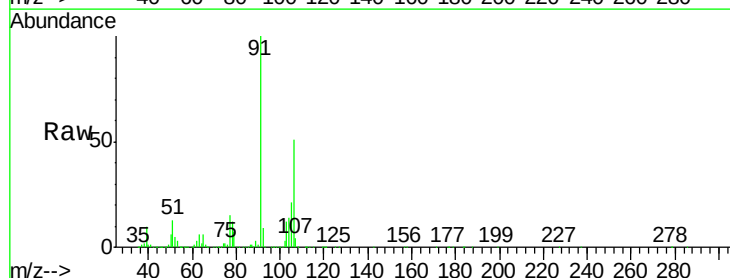
Acq: 08 Feb 2019 13:56

Tgt Ion:106 Resp: 156333

Ion Ratio Lower Upper

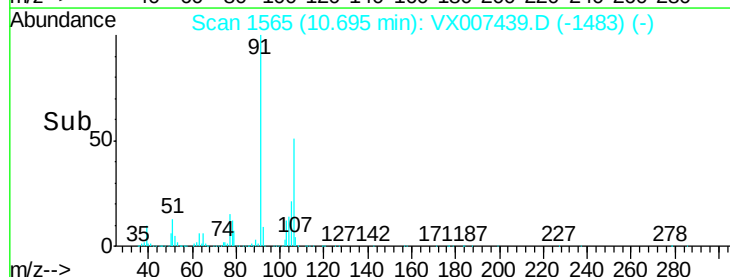
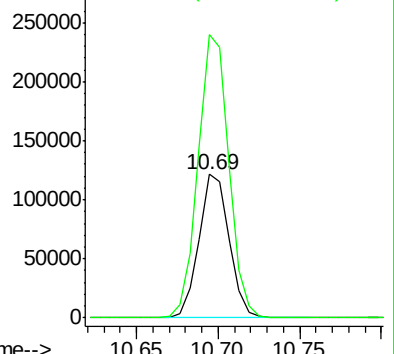
106 100

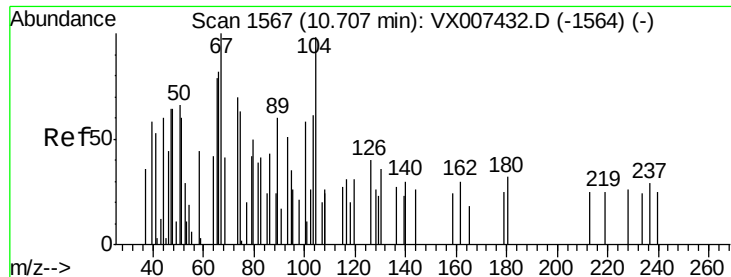
91 200.5 103.6 310.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





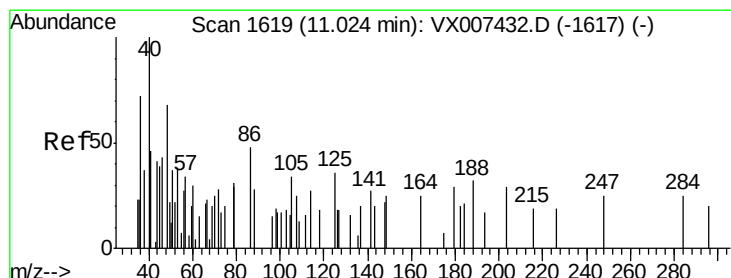
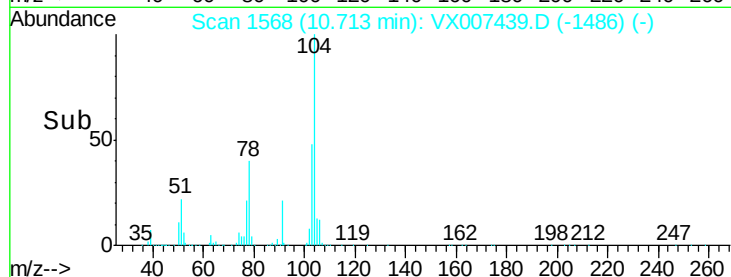
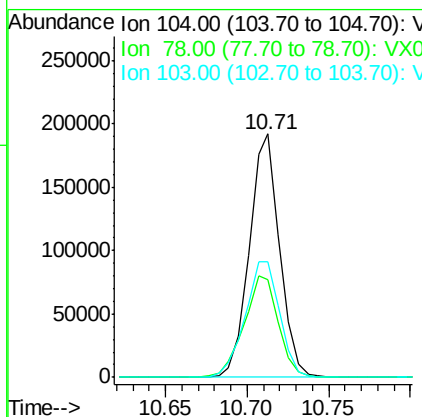
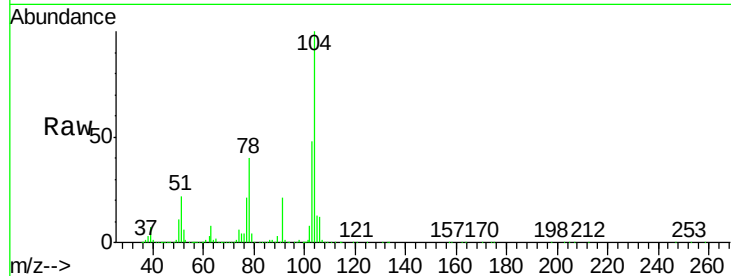
#69
Stvrene
Concen: 19.091 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	37.8	56.8
103	54.8	45.3	67.9

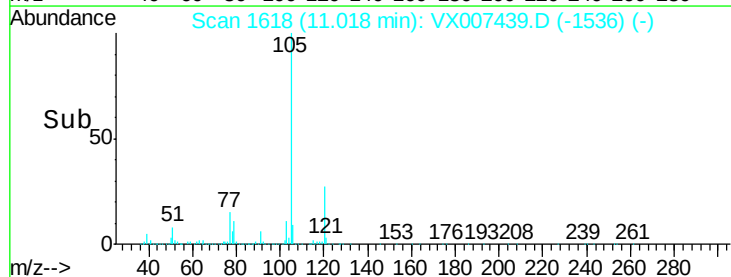
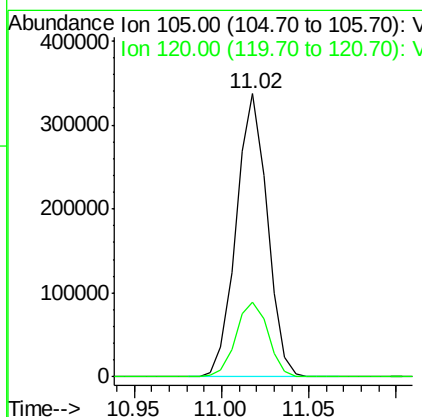
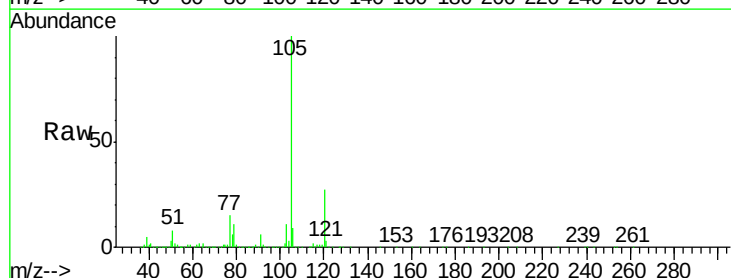
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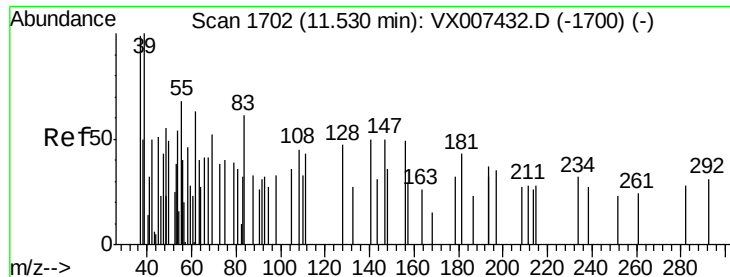
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#70
Isopropylbenzene
Concen: 19.565 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	19.9	36.9





#71

1,1,2,2-Tetrachloroethane

Concen: 19.982 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

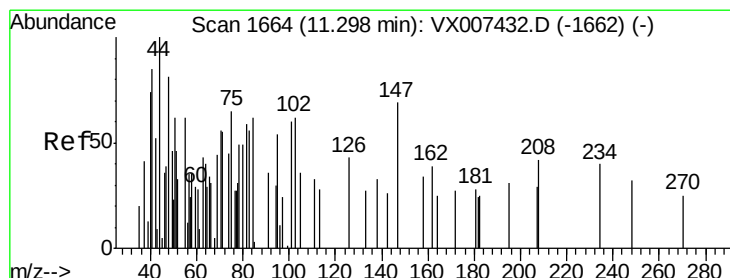
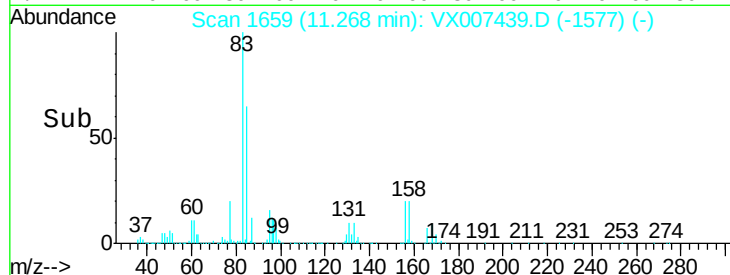
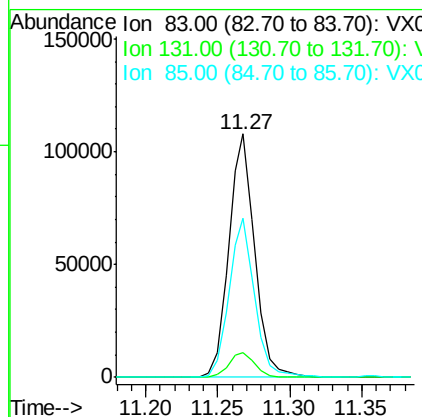
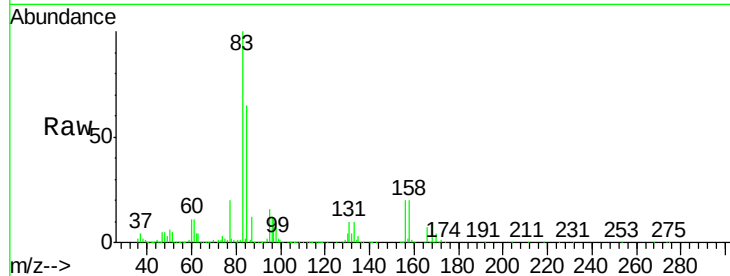
ClientSampleId :

VX0208WBSD01

Tot Ion:	83	Resp:	136265
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.5	31.8	95.3

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#72

1,2,3-Trichloropropane

Concen: 19.897 ug/l m

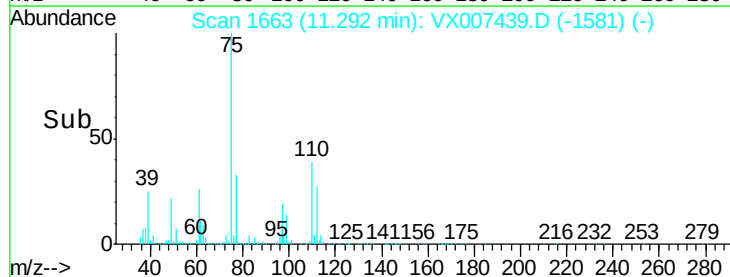
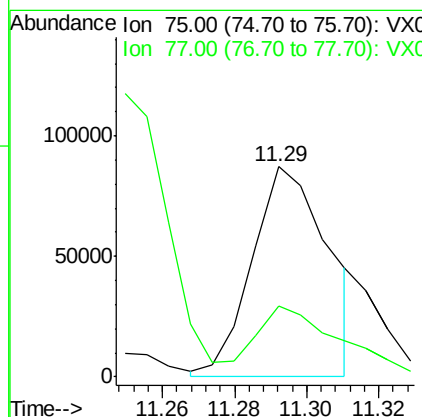
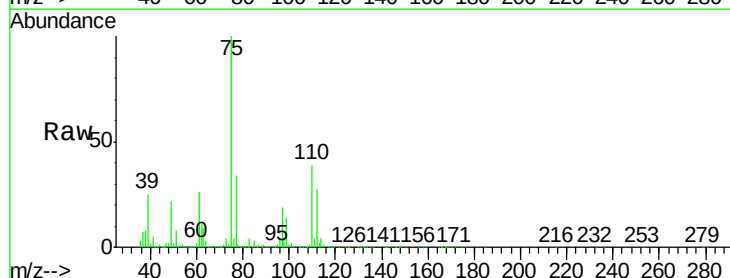
RT: 11.29 min Scan# 1663

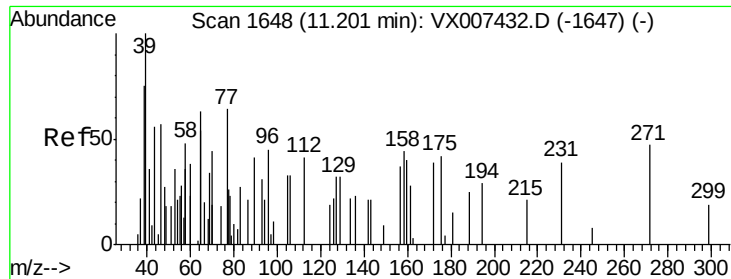
Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tgt Ion:	75	Resp:	127568
Ion Ratio	Lower	Upper	
75	100		
77	38.2	0.0	73.2





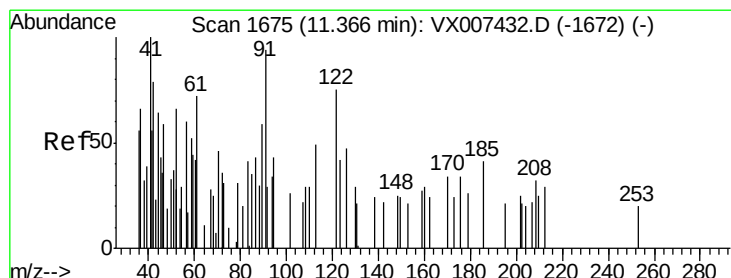
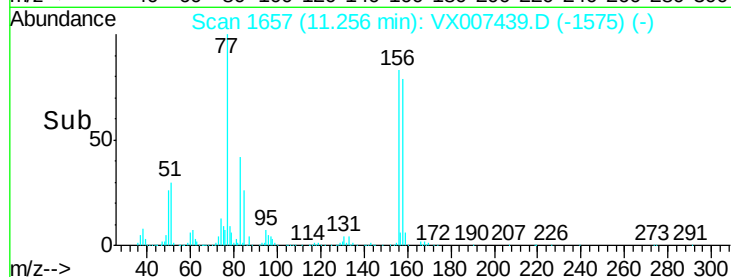
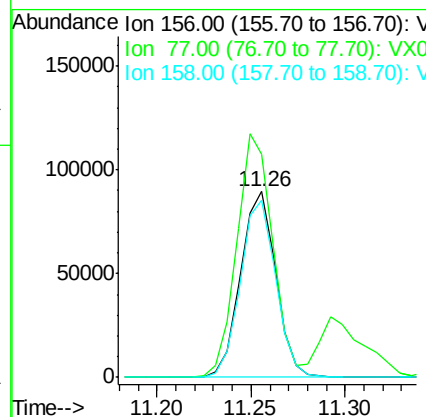
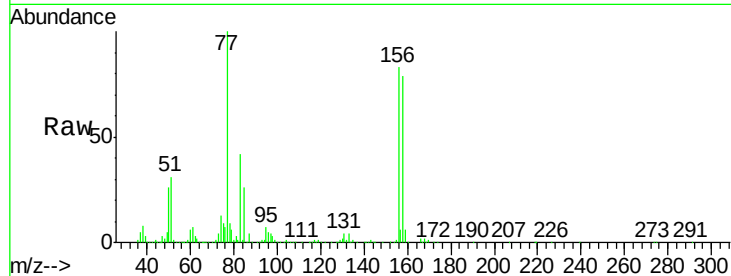
#73
Bromobenzene
Concen: 19.746 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	116405		
77	132.3	0.0	267.0	
158	95.4	0.0	194.6	

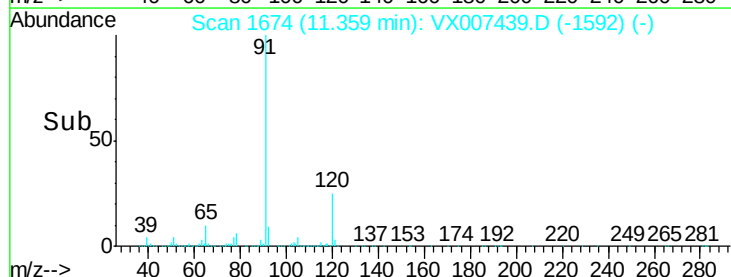
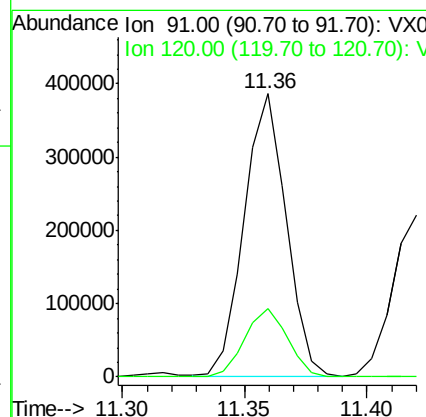
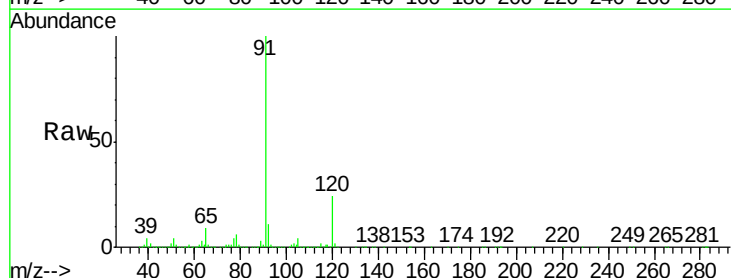
Manual Integrations
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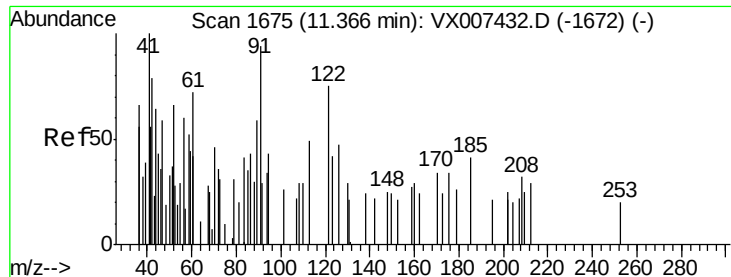
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#74
n-propylbenzene
Concen: 19.190 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	459984		
120	24.6	0.0	48.0	





#75

2-Chlorotoluene

Concen: 19.107 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion: 91 Resp: 271608

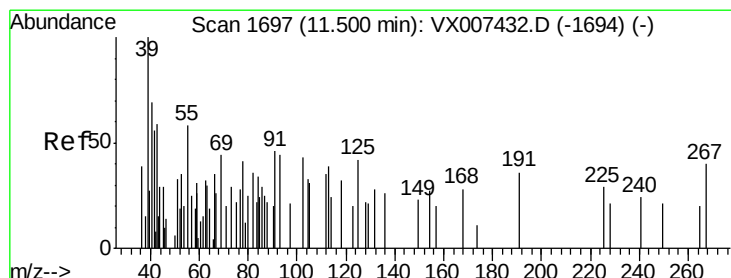
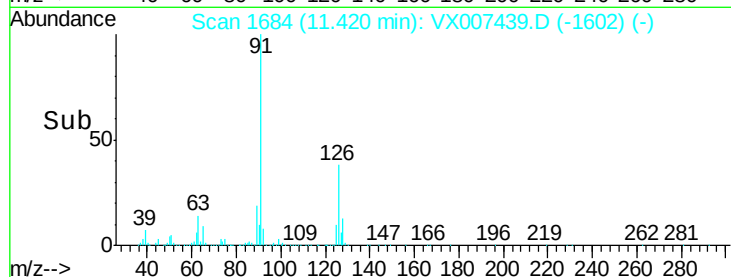
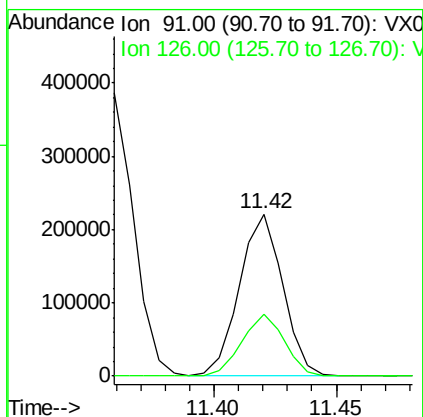
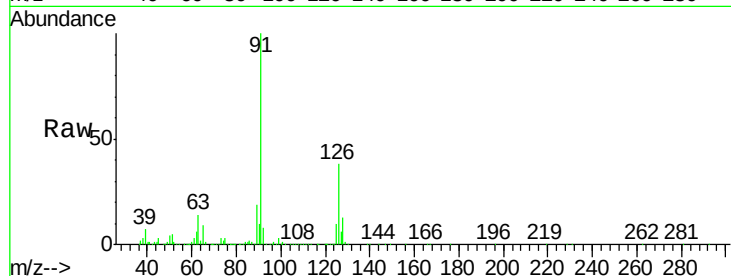
Ion Ratio Lower Upper

91 100

126 38.0 0.0 72.8

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#76

1,3,5-Trimethylbenzene

Concen: 18.868 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007439.D

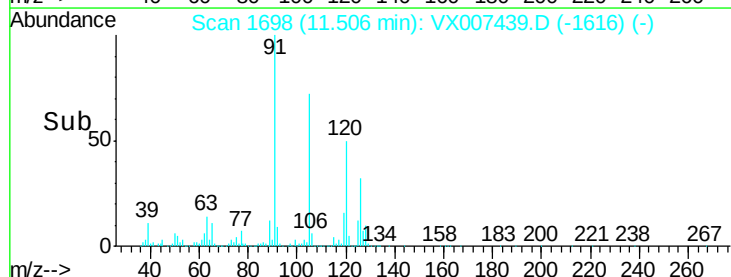
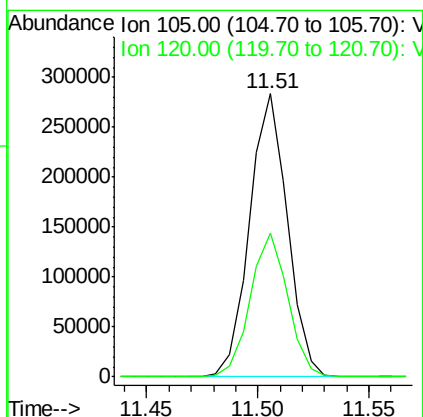
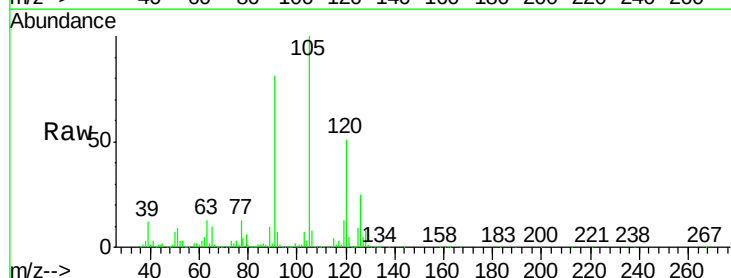
Acq: 08 Feb 2019 13:56

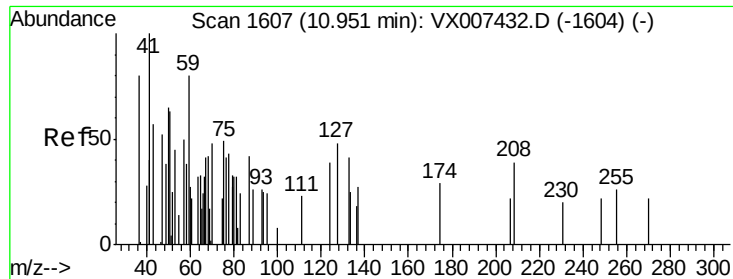
Tgt Ion:105 Resp: 335404

Ion Ratio Lower Upper

105 100

120 50.3 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.361 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion: 75 Resp: 32339

Ion Ratio Lower Upper

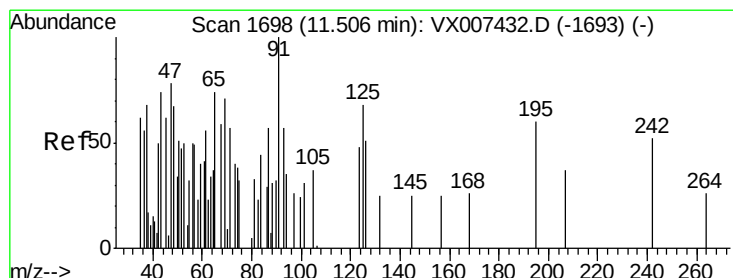
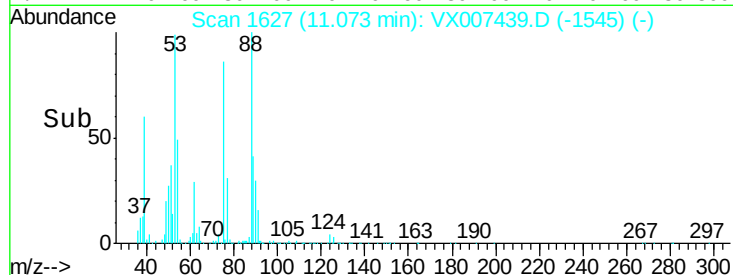
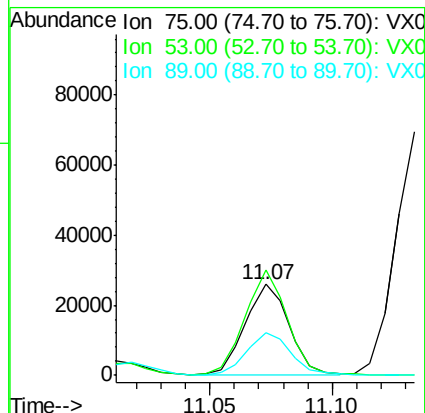
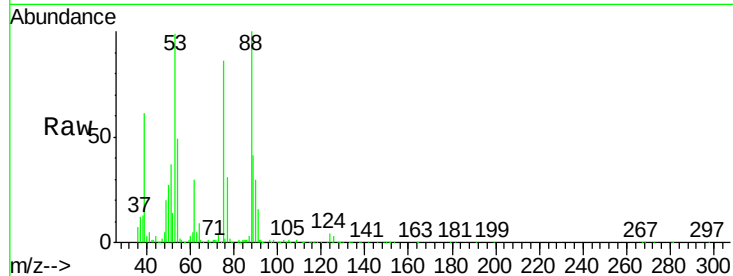
75 100

53 114.9 55.9 167.6

89 46.8 24.1 72.4

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#78

4-Chlorotoluene

Concen: 18.648 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007439.D

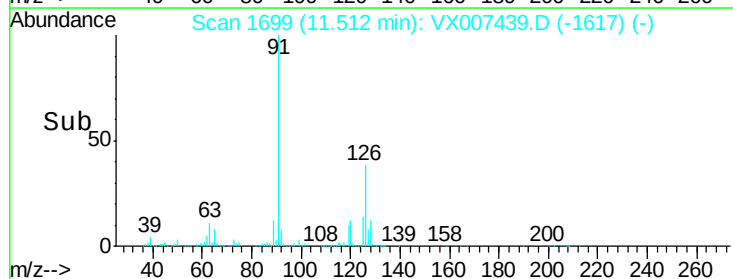
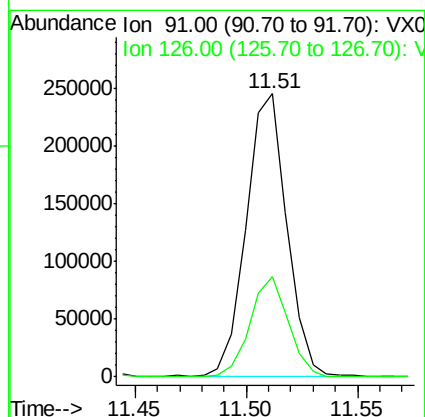
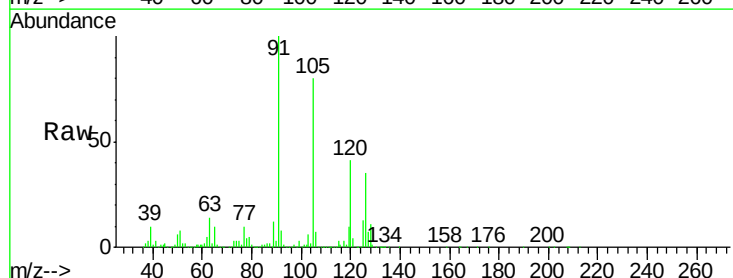
Acq: 08 Feb 2019 13:56

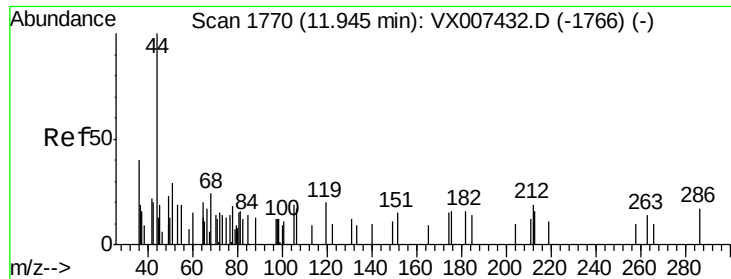
Tgt Ion: 91 Resp: 308642

Ion Ratio Lower Upper

91 100

126 33.7 0.0 63.8





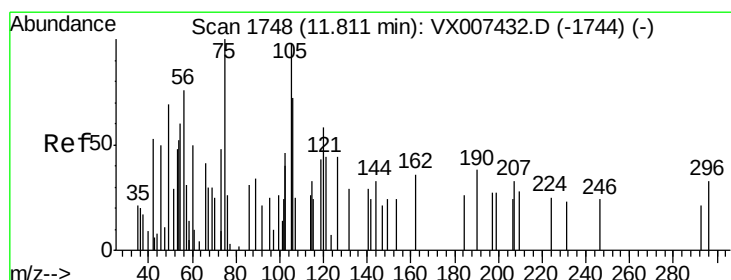
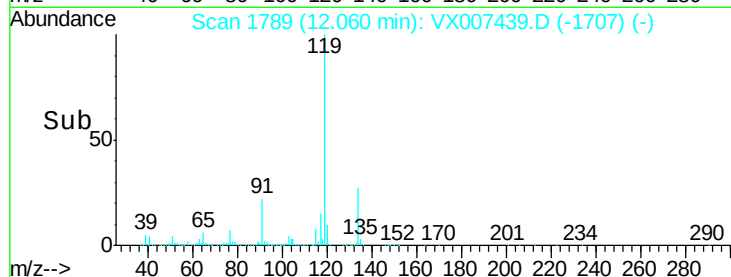
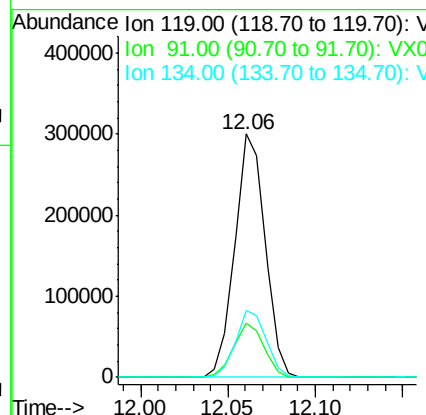
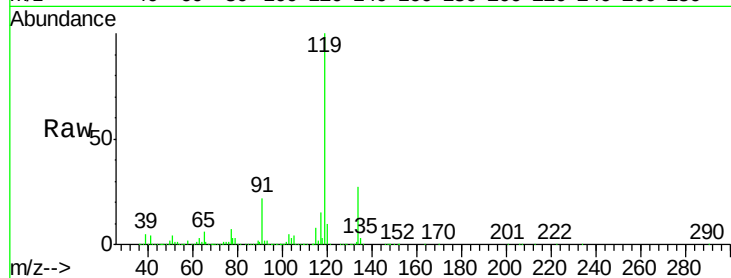
#79
tert-butylbenzene
Concen: 18.836 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VX0208WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	362287		
91	22.6	0.0	45.0	
134	27.7	0.0	55.8	

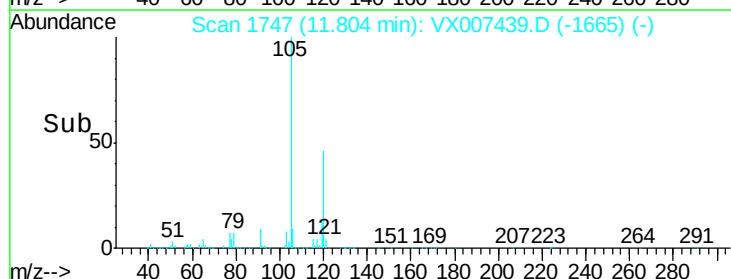
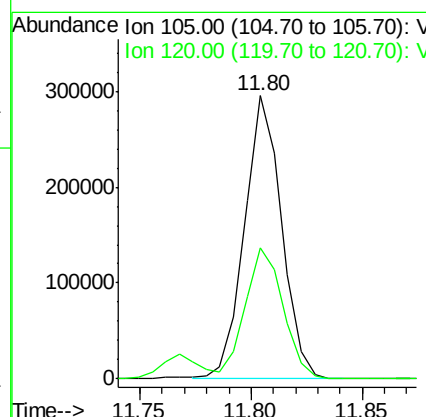
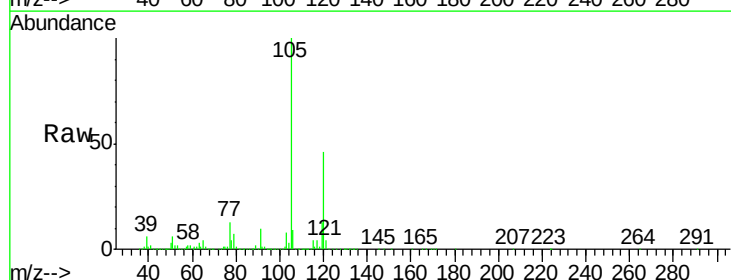
Manual Integrations
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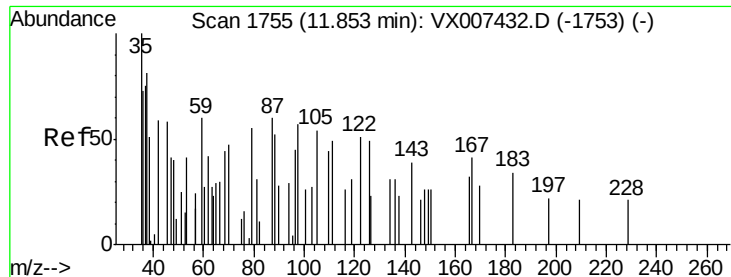
MMDadoda
2/11/2019 9:37:27 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.109 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007439.D
Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	343952		
120	46.7	0.0	94.4	





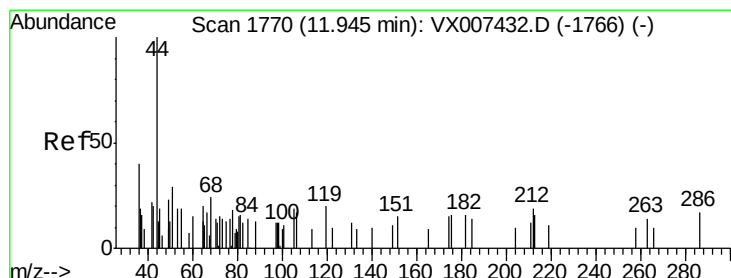
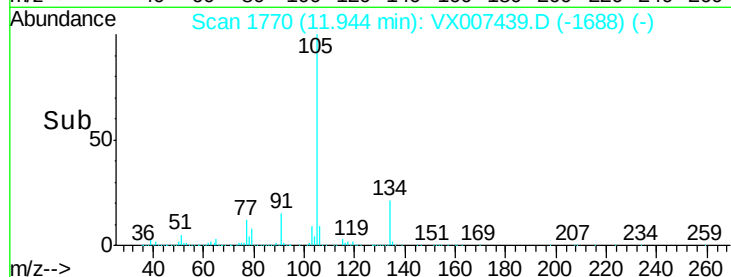
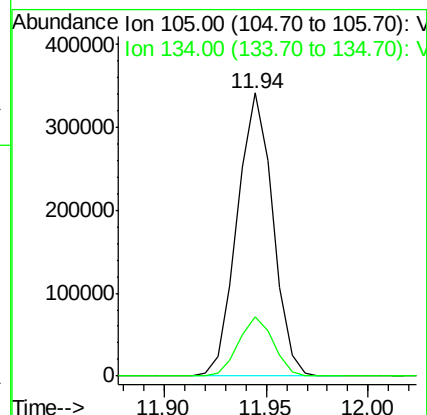
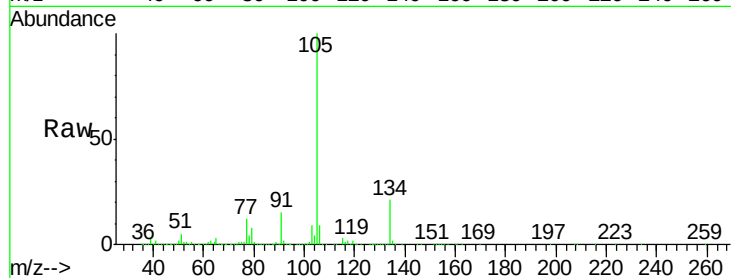
#81
 sec-Butylbenzene
 Concen: 19.181 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	42.2

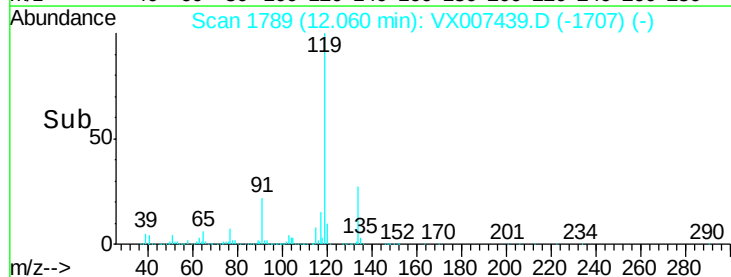
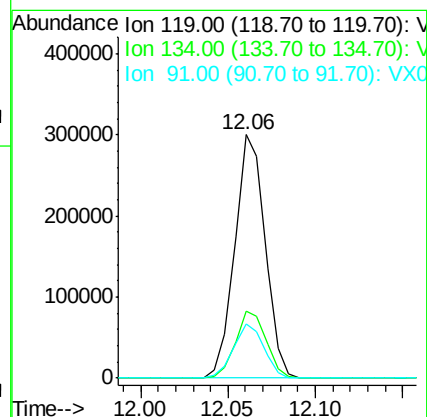
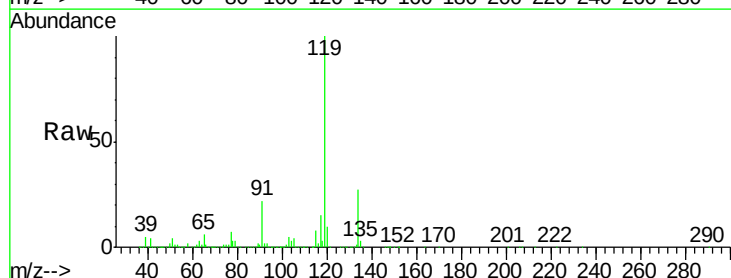
Manual Integrations
 APPROVED

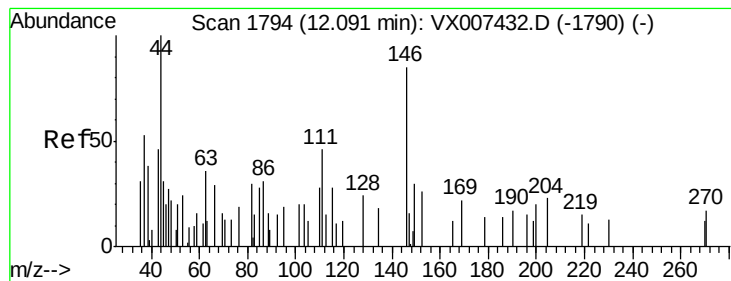
MMDadoda
 2/11/2019 9:37:27 AM



#82
 p-Isopropyltoluene
 Concen: 18.836 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	0.0	55.8
91	22.6	0.0	45.0





#83

1,3-Dichlorobenzene

Concen: 19.167 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

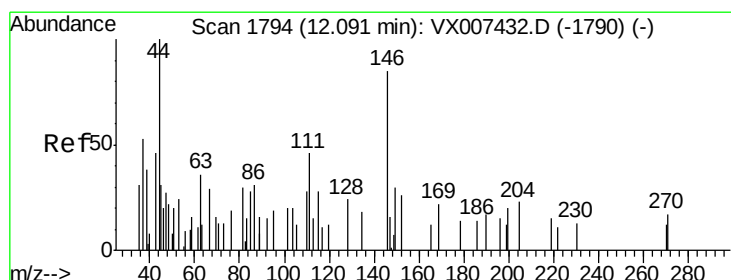
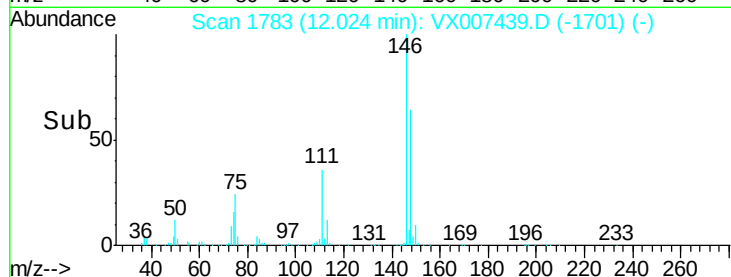
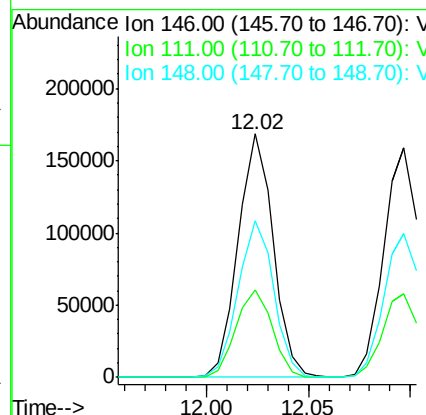
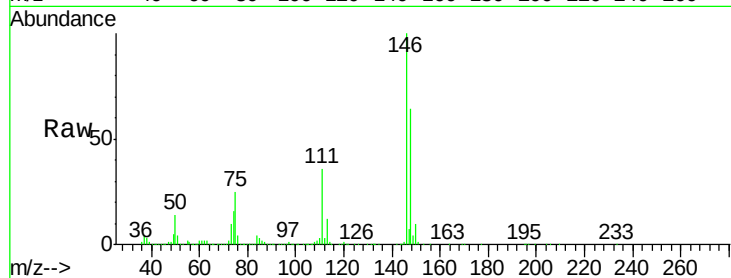
ClientSampleId :

VX0208WBSD01

Tot Ion:	146	Resp:	200856
Ion Ratio		Lower	Upper
146	100		
111	37.1	19.0	57.0
148	65.7	31.6	94.7

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#84

1,4-Dichlorobenzene

Concen: 18.884 ug/l

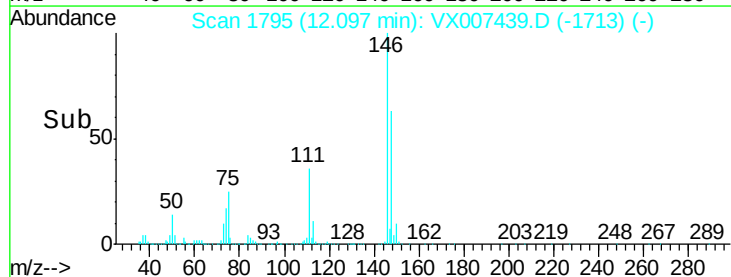
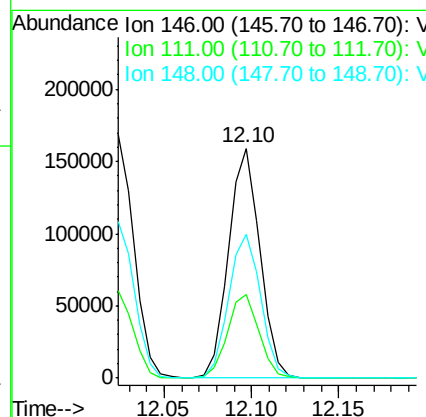
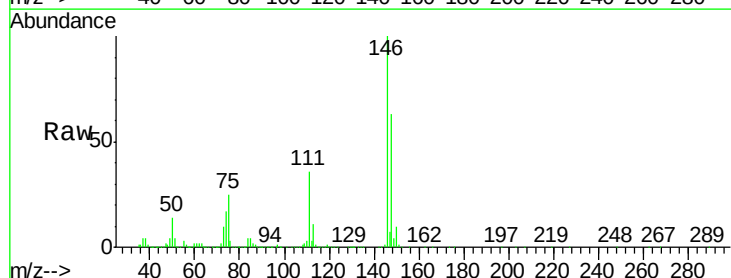
RT: 12.10 min Scan# 1795

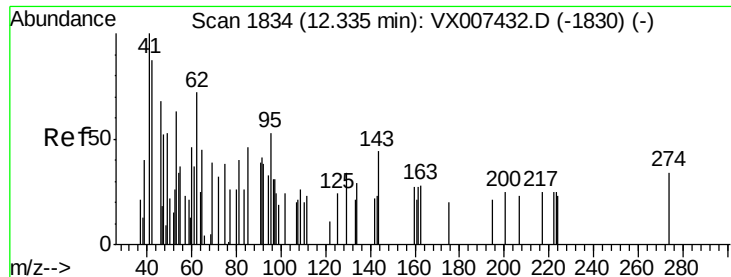
Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tgt Ion:	146	Resp:	197993
Ion Ratio		Lower	Upper
146	100		
111	36.7	17.4	52.2
148	63.8	31.9	95.5





#85

n-Butylbenzene

Concen: 17.924 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBSD01

Tot Ion: 91 Resp: 295862

Ion Ratio Lower Upper

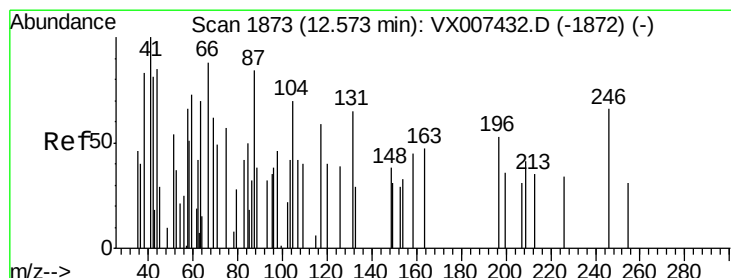
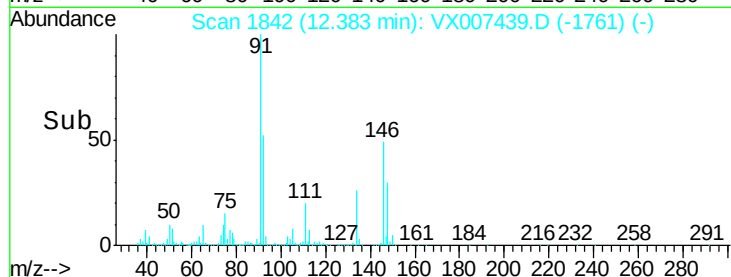
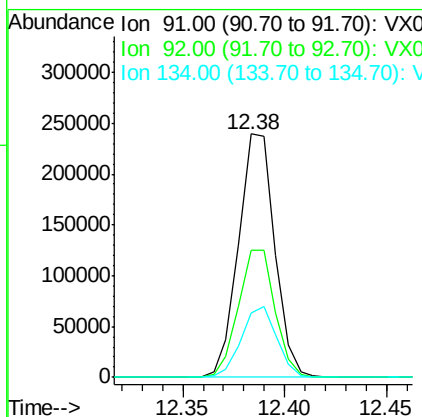
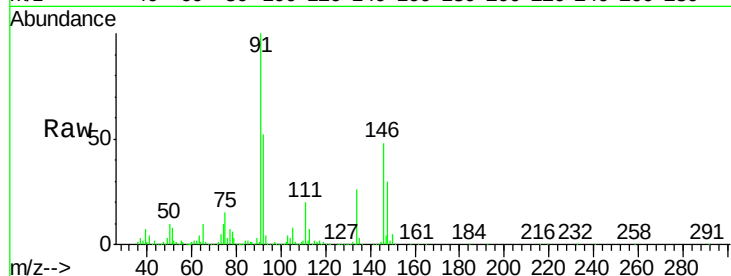
91 100

92 53.0 0.0 106.2

134 28.6 0.0 55.4

Manual Integrations
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#86

Hexachloroethane

Concen: 18.305 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX007439.D

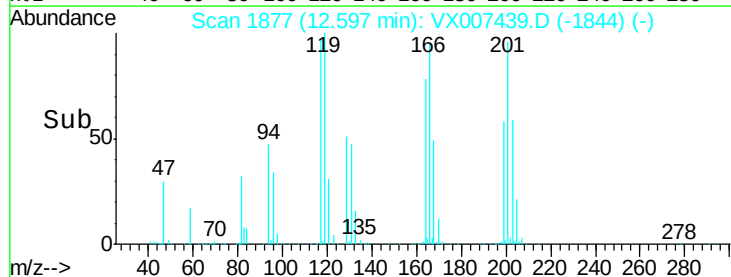
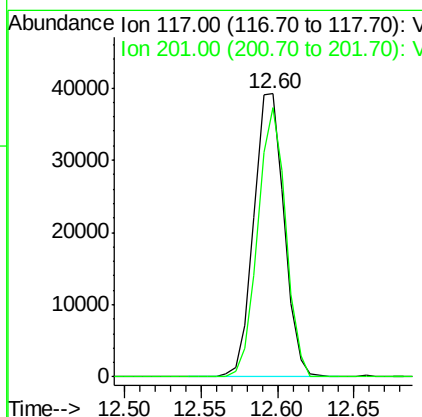
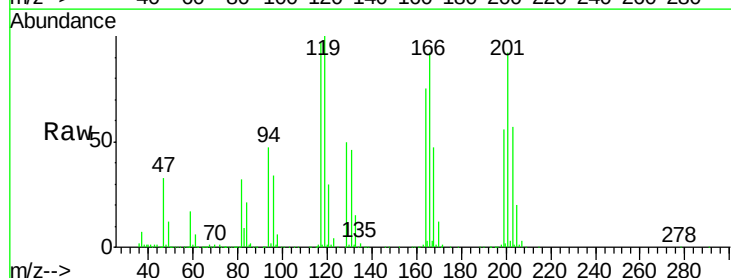
Acq: 08 Feb 2019 13:56

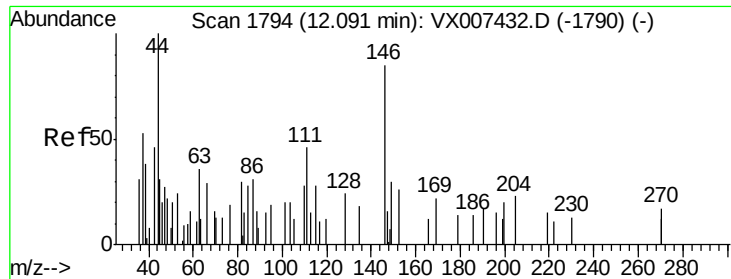
Tgt Ion: 117 Resp: 54435

Ion Ratio Lower Upper

117 100

201 87.4 41.6 124.8





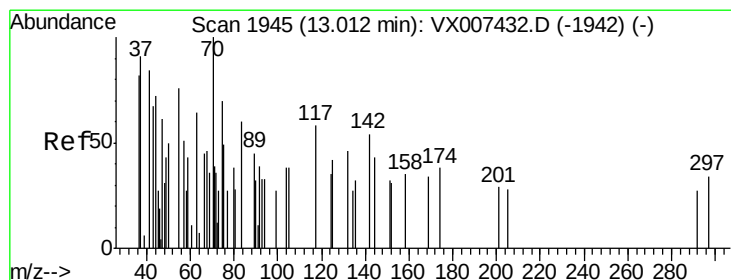
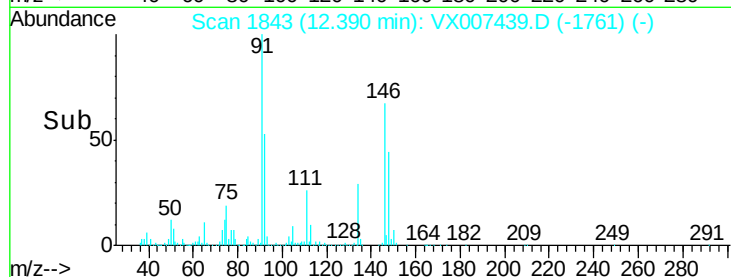
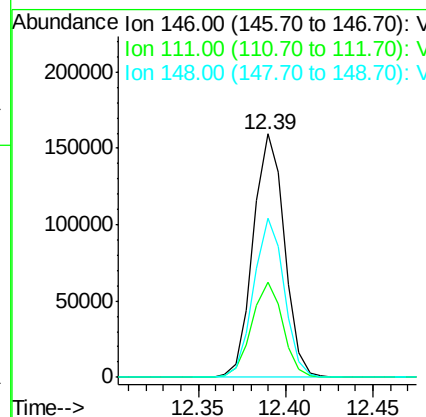
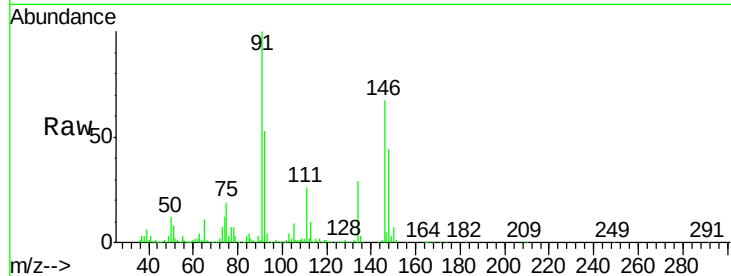
#87
 1,2-Dichlorobenzene
 Concen: 19.156 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	64.1	32.0	96.0

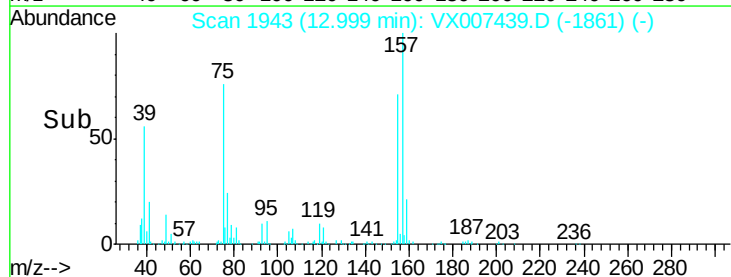
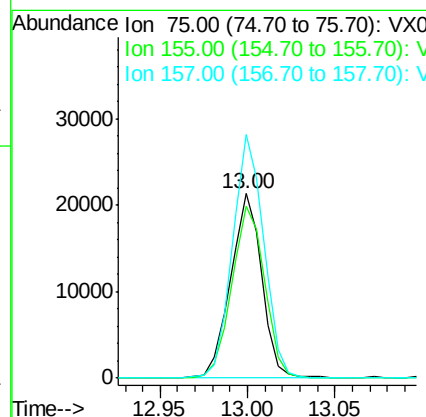
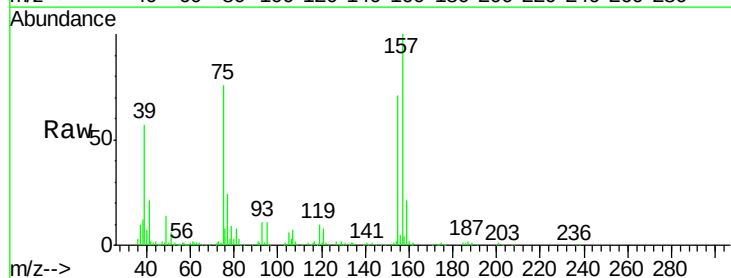
Manual Integrations
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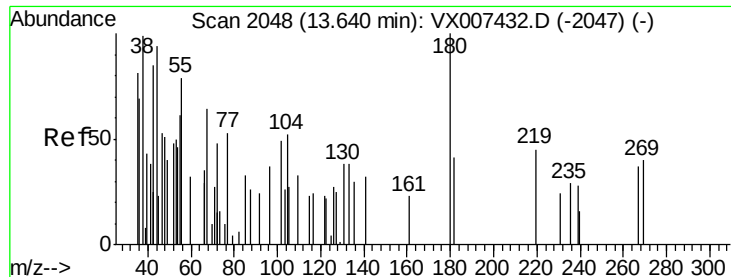
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.863 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	82.8	124.2
157	133.5	106.9	160.3





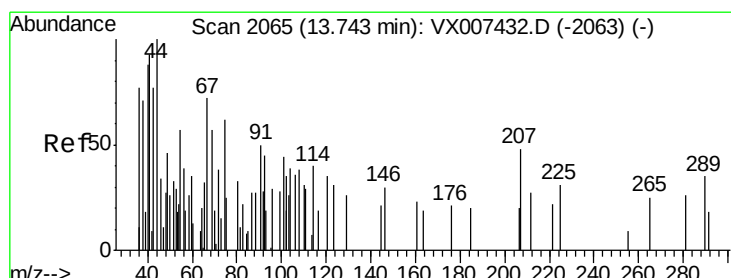
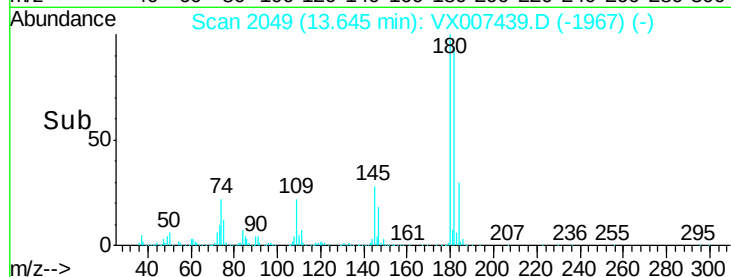
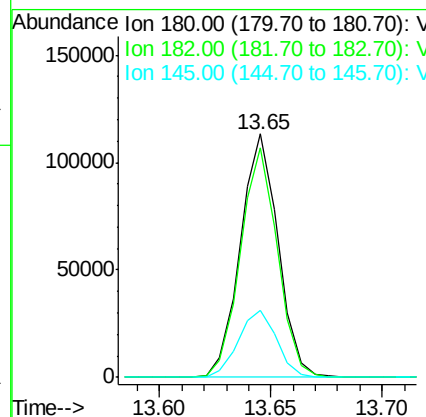
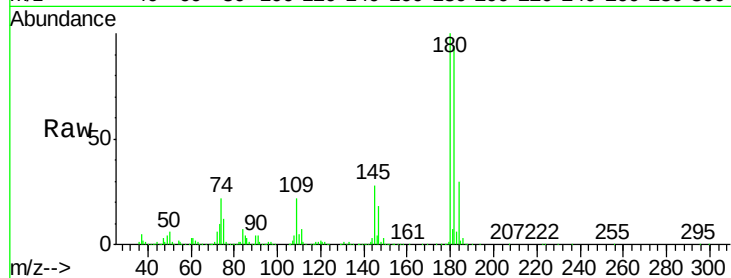
#89
 1,2,4-Trichlorobenzene
 Concen: 18.656 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	76.7	115.1
145	28.1	23.1	34.7

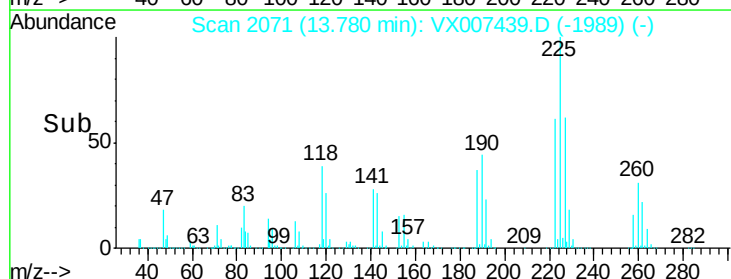
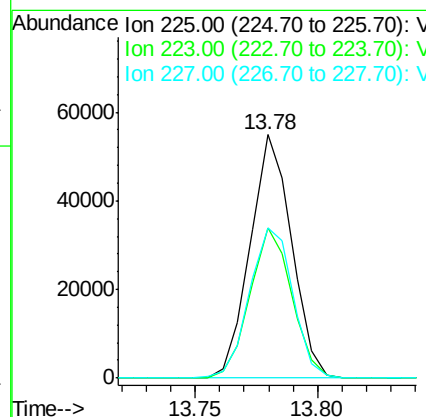
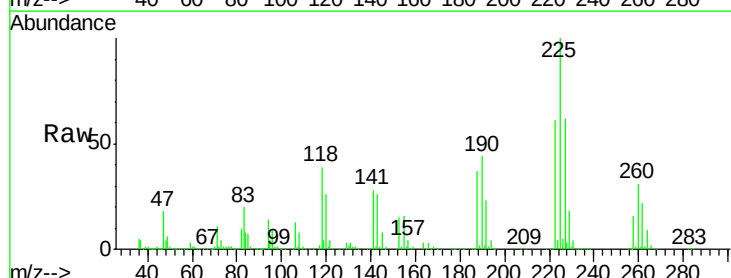
Manual Integrations
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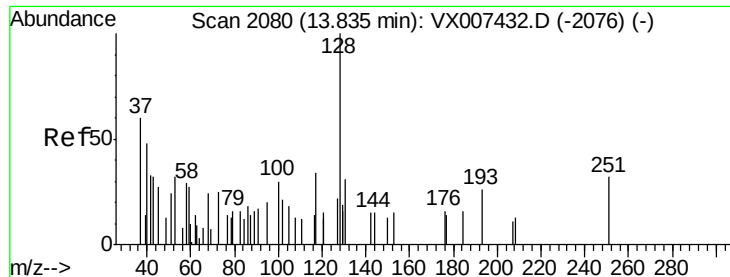
MMDadoda
 2/11/2019 9:37:27 AM



#90
 Hexachlorobutadiene
 Concen: 19.054 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007439.D
 Acq: 08 Feb 2019 13:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	124.6
227	64.5	0.0	128.2





#91

Naphthalene

Concen: 18.975 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Instrument :

MSVOA_X

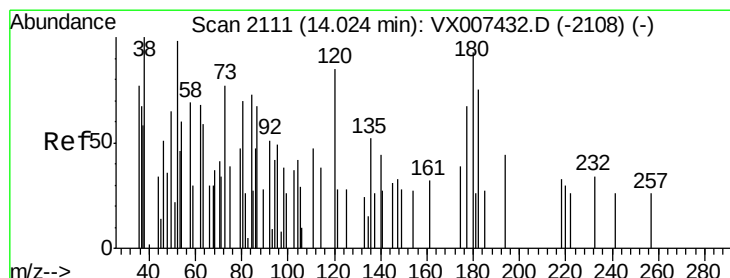
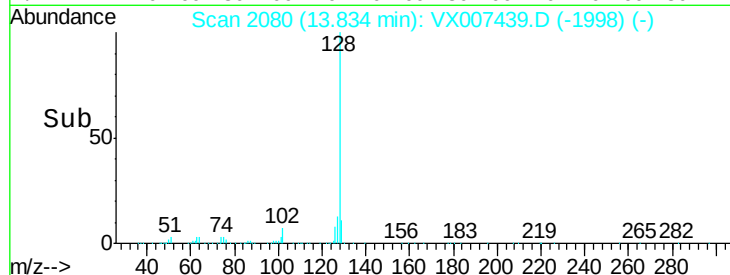
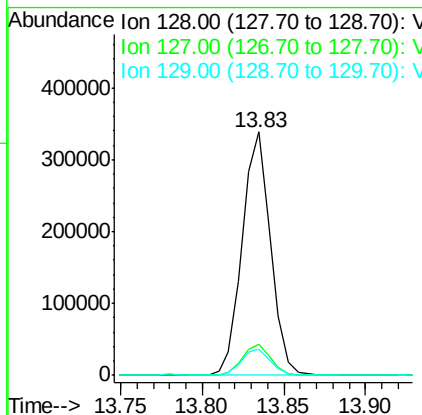
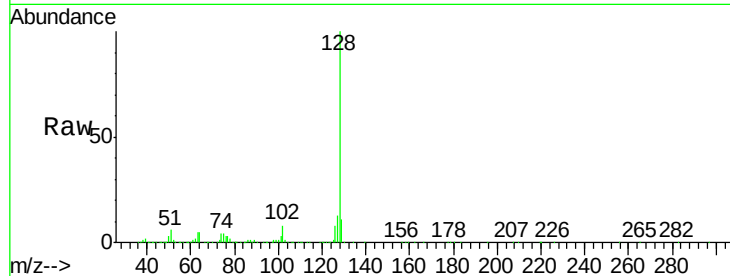
ClientSampled :

VX0208WBSD01

Tot Ion:	128	Resp:	411446
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	16.0
129	11.1	8.9	13.3

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 18.844 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007439.D

Acq: 08 Feb 2019 13:56

Tgt Ion:	180	Resp:	133846
Ion Ratio	Lower	Upper	
180	100		
182	94.0	0.0	187.6
145	31.4	0.0	62.0

